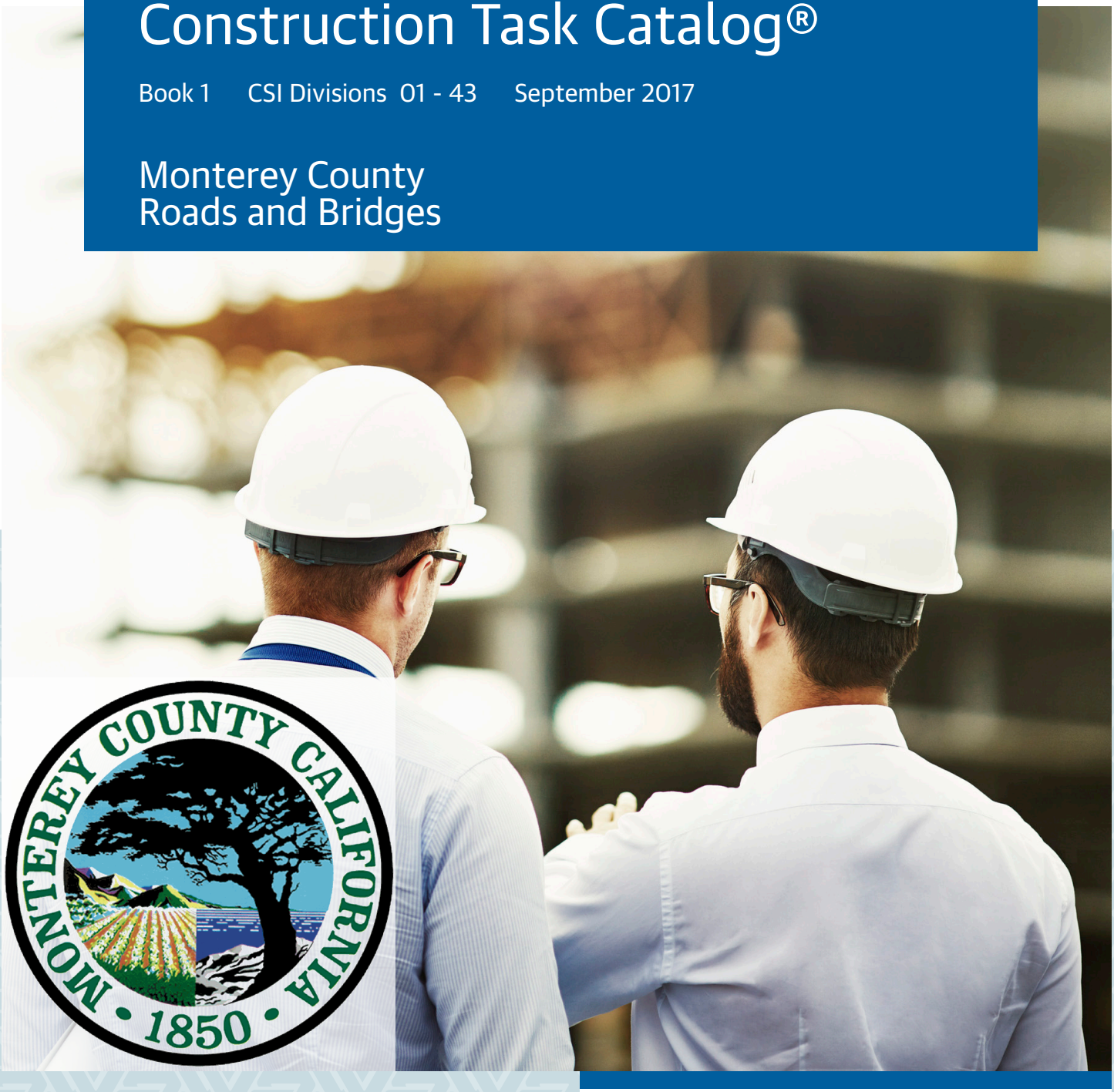
Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 September 2017

Monterey County Roads and Bridges



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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in September 2017.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- ☑ Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental. Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow. Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

PRICE VARIATIONS:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for unit price tasks will be:

Unit Price X Quantity X Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered

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construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD**

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- Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2)height
- Surface Area = 2 π radius^2+(2 π radius)height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 20 Price And Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Negotiated Travel Costs *(01 22 16)*

Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0002	EA	Negotiated Travel Costs Note: Supporting documentation must be included with each Work Order.	1.00

01 22 16 00-0003 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0004	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is $1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = $125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	1.00

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	58.58
		For Foreman, Add	*2.93*
		For Apprentice, Deduct	*-11.72*
01 22 20 00-0003	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.13
		For Foreman, Add	*4.26*
		For Apprentice, Deduct	*-17.03*
01 22 20 00-0004	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	91.24
		For Foreman, Add	*4.56*
		For Apprentice, Deduct	*-18.25*
01 22 20 00-0005	HR	Carpenter, Bridge Builder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.45
		For Apprentice, Deduct	*-20.09*
01 22 20 00-0006	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	70.32
		For Foreman, Add	*3.52*
		For Apprentice, Deduct	*-14.06*
01 22 20 00-0007	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	89.90
		For Foreman, Add	*4.50*
		For Apprentice, Deduct	*-17.98*
01 22 20 00-0008	HR	Electrician, Cable Splicer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	91.42
		For Apprentice, Deduct	*-18.28*
01 22 20 00-0009	HR	Electricial Groundman Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.	91.42
		For Foreman, Add	*4.57*
		For Apprentice, Deduct	*-18.28*
01 22 20 00-0010	HR	High Voltage Electrician, (Utility Lineman) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	88.19
		For Foreman, Add	*4.41*
		For Apprentice, Deduct	*-17.64*
01 22 20 00-0011	HR	Communication And System Technician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.61
		For Apprentice, Deduct	*-14.32*
01 22 20 00-0012	HR	Equipment Operator, Heavy (Crane) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.55
		For Foreman, Add	*4.53*
		For Apprentice, Deduct	*-18.11*
01 22 20 00-0013	HR	Equipment Operator, Medium (Bulldozer) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.47
		For Foreman, Add	*4.27*
		For Apprentice, Deduct	*-17.09*
01 22 20 00-0014	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.24
		For Foreman, Add	*4.01*
		For Apprentice, Deduct	*-16.05*
01 22 20 00-0015	HR	Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	67.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0016	HR	Landscape Maintenance Laborer	16.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR	Millwright	85.76	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.29*	
		For Apprentice, Deduct	*-17.15*	
01 22 20 00-0018	HR	Mold Removal Worker	71.48	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.57*	
		For Apprentice, Deduct	*-14.30*	
01 22 20 00-0019	HR	Painter, Ordinary	80.19	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.01*	
		For Apprentice, Deduct	*-16.04*	
01 22 20 00-0020	HR	Painter, Structural Steel	81.20	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.06*	
		For Apprentice, Deduct	*-16.24*	
01 22 20 00-0021	HR	Pile Drivers	98.59	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.93*	
		For Apprentice, Deduct	*-19.72*	
01 22 20 00-0022	HR	Plasterer	79.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.96*	
		For Apprentice, Deduct	*-15.82*	
01 22 20 00-0023	HR	Plumber	90.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.54*	
		For Apprentice, Deduct	*-18.17*	
01 22 20 00-0024	HR	Powderman	72.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.61*	
		For Apprentice, Deduct	*-14.42*	
01 22 20 00-0025	HR	Rodman (Reinforcing)/Ornamental Steel Worker	79.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.00*	
		For Apprentice, Deduct	*-15.99*	
01 22 20 00-0026	HR	Sheet Metal Worker	95.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.77*	
		For Apprentice, Deduct	*-19.09*	
01 22 20 00-0027	HR	Stone Mason	85.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.26*	
		For Apprentice, Deduct	*-17.03*	
01 22 20 00-0028	HR	Structural Steel Worker	83.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.18*	
		For Apprentice, Deduct	*-16.71*	
01 22 20 00-0029	HR	Tile Layer	78.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.92*	
		For Apprentice, Deduct	*-15.66*	
01 22 20 00-0030	HR	Terrazzo Worker	85.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.26*	
		For Apprentice, Deduct	*-17.02*	
01 22 20 00-0031	HR	Truck Driver, Light	71.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.56*	
		For Apprentice, Deduct	*-14.23*	
01 22 20 00-0032	HR	Truck Driver, Heavy	71.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.58*	
		For Apprentice, Deduct	*-14.31*	
01 22 20 00-0033	HR	D1 Certified Welder	91.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0034 Rates For Services *(01 22 20)*

01 22 20 00-0035	HR	Watchman/Guard, Unarmed	22.61	
01 22 20 00-0036	HR	Watchman/Guard, Armed	29.33	
01 22 20 00-0037	HR	OSHA Testing	71.25	
01 22 20 00-0038	HR	Investigating Engineer Or Specialty Consultant	80.00	
		Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0039	HR	Investigating Senior Engineer Or Specialty Consultant	125.00	
		Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0040	HR	Industrial Hygienist	71.28	
01 22 20 00-0041	HR	On-Site Certified Materials Testing Technician	43.35	
01 22 20 00-0042	HR	Certified Industrial Hygienist	125.30	
01 22 20 00-0043	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.56	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0044	EA	Security Badge, Processing Fee	46.23	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0045	HR	Biologist	132.00	
01 22 20 00-0046	HR	Ecologist	145.00	
01 22 20 00-0047		Rates For Traffic Control *(01 22 20)*		
01 22 20 00-0048	HR	Flagperson For Traffic Control	67.72	
01 22 20 00-0049	DAY	Pilot Vehicle With Driver	810.66	
		Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0050	HR	California Highway Patrol Officer With Car	49.46	
		For Each Mile, Add	*0.56*	
01 22 20 00-0051	HR	California Highway Patrol Officer With Motorcycle	51.22	
		For Each Mile, Add	*0.90*	
01 22 20 00-0052	HR	California Highway Patrol Sergeant Officer With Car	62.13	
		For Each Mile, Add	*0.90*	
01 22 20 00-0053	HR	California Highway Patrol Sergeant Officer With Motorcycle	62.28	
		For Each Mile, Add	*0.90*	
01 22 20 00-0054		Mobilize Equipment *(01 22 20)*		
01 22 20 00-0055	HR	Escort Vehicle With Driver	75.18	
01 22 20 00-0056	HR	Transport Vehicle With Driver	97.77	
01 22 23		**Equipment Usage** *(01 22)*		
		Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001		Aerial Equipment *(01 22 23)*		
01 22 23 00-0002		Manlifts *(01 22 23 00-0001)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003		Telescoping Boom Manlifts *(01 22 23 00-0002)*		
01 22 23 00-0004		Engine Powered, Telescoping Boom Manlifts *(01 22 23 00-0003)*		
		Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Manlift	443.76	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Manlift	1,116.57	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Manlift	2,505.12	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Manlift	651.33	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Manlift	1,553.18	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Manlift	3,399.81	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Manlift	1,266.88	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Manlift	3,070.57	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Manlift	6,441.75	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Manlift	1,803.69	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Manlift	4,343.17	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Manlift	10,822.14	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Manlift	2,197.35	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Manlift	5,604.32	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Manlift	12,740.35	
01 22 23 00-0020		Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0002)*		
01 22 23 00-0021		Engine Powered, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*		
		Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Manlift	380.19	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Manlift	953.92	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Manlift	2,294.95	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Manlift	483.88	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Manlift	1,057.61	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Manlift	2,625.37	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Manlift	622.12	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Manlift	1,437.80	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Manlift	3,214.31	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Manlift	1,085.26	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Manlift	2,557.62	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Manlift	6,219.87	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Manlift	2,108.31	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Manlift	4,977.00	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Manlift	12,166.00	
01 22 23 00-0037		Electric, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*		
		Note: For use on paved surfaces.		
01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Manlift	380.19	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Manlift	953.92	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Manlift	2,294.95	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Manlift	380.19	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Manlift	953.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Manlift	2,294.95	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Manlift	470.05	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Manlift	1,016.14	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Manlift	2,523.06	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Manlift	470.05	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Manlift	1,016.14	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Manlift	2,523.06	
01 22 23 00-0050		**Platform Lifts** *(01 22 23 00-0001)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051		**Electric, Scissor Platform Lifts** *(01 22 23 00-0050)* Note: For use on paved surfaces.		
01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	189.06	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	378.11	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	773.42	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	206.24	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	412.49	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	824.98	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	266.40	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	532.80	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,142.94	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	343.74	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	678.89	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,503.86	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	369.52	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	721.85	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,632.76	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	481.24	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,194.50	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,325.68	
01 22 23 00-0070		**Engine Powered, Scissor Platform Lifts** *(01 22 23 00-0050)* Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	386.71	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	756.23	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,847.60	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	395.30	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	902.32	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,976.50	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	438.27	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,005.44	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,234.31	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	464.05	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,082.78	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,663.98	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	867.94	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,907.76	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	4,692.05	
01 22 23 00-0086		**Personnel Lifts** *(01 22 23 00-0001)* Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	181.73	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	514.90	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	1,039.89	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	252.40	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	535.09	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,049.98	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	424.03	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	1,029.79	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	3,008.61	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	454.32	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	1,130.75	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	3,402.35	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	242.30	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	484.61	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	969.22	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	242.30	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	484.61	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	1,007.58	
01 22 23 00-0105		**Bucket Trucks** *(01 22 23 00-0001)* Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106	DAY	48' Bucket Truck With Full-Time Operator	1,109.75	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-0107	WK	48' Bucket Truck With Full-Time Operator	4,781.36	
		For Equipment Without Operator, Deduct	*-2,862.86*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0108	MO	48' Bucket Truck With Full-Time Operator	17,839.63	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-0109 Air Equipment *(01 22 23)*

01 22 23 00-0110 Air Compressors *(01 22 23 00-0109)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0111	DAY	100 CFM Diesel Powered Portable Air Compressor	150.63	
01 22 23 00-0112	WK	100 CFM Diesel Powered Portable Air Compressor	451.89	
01 22 23 00-0113	MO	100 CFM Diesel Powered Portable Air Compressor	1,255.25	
01 22 23 00-0114	DAY	130 CFM Diesel Powered Portable Air Compressor	180.76	
01 22 23 00-0115	WK	130 CFM Diesel Powered Portable Air Compressor	532.23	
01 22 23 00-0116	MO	130 CFM Diesel Powered Portable Air Compressor	1,506.30	
01 22 23 00-0117	DAY	185 CFM Diesel Powered Portable Air Compressor	241.01	
01 22 23 00-0118	WK	185 CFM Diesel Powered Portable Air Compressor	542.27	
01 22 23 00-0119	MO	185 CFM Diesel Powered Portable Air Compressor	1,195.00	
01 22 23 00-0120	DAY	375 CFM Diesel Powered Portable Air Compressor	341.43	
01 22 23 00-0121	WK	375 CFM Diesel Powered Portable Air Compressor	863.61	
01 22 23 00-0122	MO	375 CFM Diesel Powered Portable Air Compressor	2,058.61	
01 22 23 00-0123	DAY	600 CFM Diesel Powered Portable Air Compressor	759.18	
01 22 23 00-0124	WK	600 CFM Diesel Powered Portable Air Compressor	1,827.64	
01 22 23 00-0125	MO	600 CFM Diesel Powered Portable Air Compressor	4,555.05	
01 22 23 00-0126	DAY	750 CFM Diesel Powered Portable Air Compressor	913.82	
01 22 23 00-0127	WK	750 CFM Diesel Powered Portable Air Compressor	2,249.41	
01 22 23 00-0128	MO	750 CFM Diesel Powered Portable Air Compressor	5,523.10	
01 22 23 00-0129	DAY	825 CFM Diesel Powered Portable Air Compressor	913.82	
01 22 23 00-0130	WK	825 CFM Diesel Powered Portable Air Compressor	2,249.41	
01 22 23 00-0131	MO	825 CFM Diesel Powered Portable Air Compressor	5,523.10	
01 22 23 00-0132	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,064.45	
01 22 23 00-0133	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,385.98	
01 22 23 00-0134	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,362.61	
01 22 23 00-0135	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,325.54	
01 22 23 00-0136	WK	1,600 CFM Diesel Powered Portable Air Compressor	2,982.47	
01 22 23 00-0137	MO	1,600 CFM Diesel Powered Portable Air Compressor	7,953.26	

01 22 23 00-0138 Negative Air Machines *(01 22 23 00-0109)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0139	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	106.76	
01 22 23 00-0140	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	438.47	
01 22 23 00-0141	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	1,324.95	
01 22 23 00-0142	EA	Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine Note: Required if over 800 hours operation.	205.22	
01 22 23 00-0143	LF	Discharge Flexible Duct For Negative Air Machine	1.23	

01 22 23 00-0144 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0145 Pavers And Rollers *(01 22 23 00-0144)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0146 Pavers *(01 22 23 00-0145)*

01 22 23 00-0147	DAY	10' Wide Paving Machine With Full-Time Operator	3,081.75	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0148	WK	10' Wide Paving Machine With Full-Time Operator	13,015.73	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0149	MO	10' Wide Paving Machine With Full-Time Operator	48,998.82	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0150 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0145)*

01 22 23 00-0151	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,097.00	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0152	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,668.64	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0153	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	18,128.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0154	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,256.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0155	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,854.74	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0156	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	19,919.72	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0157	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,263.75	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0158	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	5,383.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0159	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	20,267.72	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0160 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0145)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0161	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,162.25	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0162	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,745.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0163	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,571.22	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0164	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,466.75	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0165	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,361.74	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0166	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,514.22	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0167	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,539.25	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0168	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,818.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0169	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,790.22	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0170 Towed, Padfoot Rollers *(01 22 23 00-0145)*

01 22 23 00-0171	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	137.75	
01 22 23 00-0172	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	398.75	
01 22 23 00-0173	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,174.50	
01 22 23 00-0174	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	174.00	
01 22 23 00-0175	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	485.75	
01 22 23 00-0176	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	2,066.25	

01 22 23 00-0177 Static Rollers *(01 22 23 00-0145)*

01 22 23 00-0178	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,198.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0179	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,057.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0180	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	19,593.47	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0181	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,358.00	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0182	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,492.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0183	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	20,796.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0184 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0145)*

01 22 23 00-0185	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	966.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0186	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,245.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0187	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,910.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0188	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,075.25	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0189	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,571.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0190	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,147.75	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0191	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,788.99	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0192	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,360.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0193	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,242.00	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0194	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,064.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0195	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,078.72	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0196	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,430.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0197	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,615.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0198	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,535.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0199 Steel Roadway Plates *(01 22 23 00-0144)*

Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0200	DAY	1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0201	WK	1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0202	MO	1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0203	DAY	1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0204	WK	1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0205	MO	1" x 4' x 10' Steel Plate	68.75	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0206	DAY	1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0207	WK	1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0208	MO	1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0209	DAY	1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0210	WK	1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0211	MO	1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0212	DAY	1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0213	WK	1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0214	MO	1" x 6' x 10' Steel Plate	109.89	
01 22 23 00-0215	DAY	1" x 6' x 12' Steel Plate	43.75	
01 22 23 00-0216	WK	1" x 6' x 12' Steel Plate	55.99	
01 22 23 00-0217	MO	1" x 6' x 12' Steel Plate	151.55	
01 22 23 00-0218	DAY	1" x 8' x 10' Steel Plate	27.60	
01 22 23 00-0219	WK	1" x 8' x 10' Steel Plate	61.98	
01 22 23 00-0220	MO	1" x 8' x 10' Steel Plate	165.09	
01 22 23 00-0221	DAY	1" x 8' x 12' Steel Plate	50.00	
01 22 23 00-0222	WK	1" x 8' x 12' Steel Plate	61.98	
01 22 23 00-0223	MO	1" x 8' x 12' Steel Plate	299.98	
01 22 23 00-0224	DAY	1" x 8' x 16' Steel Plate	66.66	
01 22 23 00-0225	WK	1" x 8' x 16' Steel Plate	149.99	
01 22 23 00-0226	MO	1" x 8' x 16' Steel Plate	399.97	
01 22 23 00-0227	DAY	1-1/4" x 8' x 10' Steel Plate	33.12	
01 22 23 00-0228	WK	1-1/4" x 8' x 10' Steel Plate	74.37	
01 22 23 00-0229	MO	1-1/4" x 8' x 10' Steel Plate	198.11	
01 22 23 00-0230	DAY	1-1/2" x 8' x 15' Steel Plate	76.66	
01 22 23 00-0231	WK	1-1/2" x 8' x 15' Steel Plate	172.49	
01 22 23 00-0232	MO	1-1/2" x 8' x 15' Steel Plate	459.97	
01 22 23 00-0233	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.66	0.83
01 22 23 00-0234	EA	Remove And Reset Steel Roadway Plate	23.07	

01 22 23 00-0235 Street Sweepers *(01 22 23 00-0144)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0236	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	900.32
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0237	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	4,248.19
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0238	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	17,542.45
		For Equipment Without Operator, Deduct	*-13,834.64*
01 22 23 00-0239	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	1,535.10
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0240	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	6,772.31
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0241	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	26,552.38
		For Equipment Without Operator, Deduct	*-13,834.64*

01 22 23 00-0242 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0243 Skid-Steer Loaders (Bobcat) *(01 22 23 00-0242)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0244	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	918.91
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0245	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,936.27
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0246	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	15,584.58
		For Equipment Without Operator, Deduct	*-13,834.64*
01 22 23 00-0247	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	991.92
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0248	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	4,068.38
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0249	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	15,874.30
		For Equipment Without Operator, Deduct	*-13,834.64*
01 22 23 00-0250	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	1,012.78
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0251	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	4,258.44
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0252	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	16,378.43
		For Equipment Without Operator, Deduct	*-13,834.64*
01 22 23 00-0253	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,093.90
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0254	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	4,524.99
		For Equipment Without Operator, Deduct	*-3,209.64*
01 22 23 00-0255	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	17,259.19
		For Equipment Without Operator, Deduct	*-13,834.64*
01 22 23 00-0256	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,232.97
		For Equipment Without Operator, Deduct	*-641.93*
01 22 23 00-0257	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	5,052.29
		For Equipment Without Operator, Deduct	*-3,209.64*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0258	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	18,557.16	
		For Equipment Without Operator, Deduct	*-13,834.64*	
01 22 23 00-0259	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	231.78	
01 22 23 00-0260	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	770.67	
01 22 23 00-0261	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,051.25	
01 22 23 00-0262	DAY	Forklift Attachment For Skid-Steer Loaders	49.83	
01 22 23 00-0263	WK	Forklift Attachment For Skid-Steer Loaders	133.27	
01 22 23 00-0264	MO	Forklift Attachment For Skid-Steer Loaders	376.64	
01 22 23 00-0265	DAY	Backhoe Attachment For Skid-Steer Loaders	110.10	
01 22 23 00-0266	WK	Backhoe Attachment For Skid-Steer Loaders	264.23	
01 22 23 00-0267	MO	Backhoe Attachment For Skid-Steer Loaders	657.10	
01 22 23 00-0268	DAY	Broom Attachment For Skid-Steer Loaders	108.94	
01 22 23 00-0269	WK	Broom Attachment For Skid-Steer Loaders	295.52	
01 22 23 00-0270	MO	Broom Attachment For Skid-Steer Loaders	782.26	
01 22 23 00-0271	DAY	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	73.01	
01 22 23 00-0272	WK	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	231.78	
01 22 23 00-0273	MO	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	550.48	

01 22 23 00-0274 Bulldozers *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0275	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,059.86	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0276	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,901.91	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0277	MO	70 HP, D3 Bulldozer With Full-Time Operator	19,135.80	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0278	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,237.28	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0279	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	5,618.66	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0280	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	21,335.71	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0281	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,741.13	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0282	WK	140 HP, D6 Bulldozer With Full-Time Operator	7,634.06	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0283	MO	140 HP, D6 Bulldozer With Full-Time Operator	27,367.74	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0284	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,188.21	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0285	WK	200 HP, D7 Bulldozer With Full-Time Operator	9,429.48	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0286	MO	200 HP, D7 Bulldozer With Full-Time Operator	32,761.08	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0287	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,720.45	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0288	WK	335 HP, D8 Bulldozer With Full-Time Operator	11,558.43	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0289	MO	335 HP, D8 Bulldozer With Full-Time Operator	39,147.93	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0290	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,018.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0291	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,743.54	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0292	MO	460 HP, D9 Bulldozer With Full-Time Operator	42,696.18	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0293 Motor Scraper *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0294	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,010.31	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0295	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	8,724.96	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0296	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	30,636.47	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0297	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,546.38	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0298	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	10,869.26	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0299	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	37,087.53	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0300	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,064.28	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0301	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	12,931.78	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0302	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	43,266.01	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0303 Hydraulic Excavators *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0304	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,034.21	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0305	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	4,658.33	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0306	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	18,889.57	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0307	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,132.86	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0308	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	5,093.16	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0309	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	20,628.89	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0310	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,164.01	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0311	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	5,255.41	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0312	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	20,914.45	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0313	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,196.46	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0314	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	5,404.68	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0315	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	21,200.01	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0316	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,222.42	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0317	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,560.44	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0318	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	21,485.57	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0319	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,572.88	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0320	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,955.79	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0321	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	25,347.12	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0322	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,624.80	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0323	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	7,182.94	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0324	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	26,028.57	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0325	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,722.15	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0326	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	7,572.34	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0327	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	27,196.77	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0328	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,832.48	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0329	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	8,007.17	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0330	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	28,494.77	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0331	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,864.93	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0332	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	8,136.97	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0333	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	28,884.17	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0334	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,176.45	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0335	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	9,389.54	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0336	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	32,648.37	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0337	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,624.26	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0338	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	11,167.80	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0339	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	37,970.17	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0340	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,175.91	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0341	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	13,374.40	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0342	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	44,589.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0343	DAY	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	1,748.11	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0344	WK	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	7,663.20	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0345	MO	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	27,456.37	
		For Equipment Without Operator, Deduct	*-14,735.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0346	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	90.86	
01 22 23 00-0347	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	350.46	
01 22 23 00-0348	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0349	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	402.38	
01 22 23 00-0350	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,064.36	
01 22 23 00-0351	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,978.91	
01 22 23 00-0352	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	623.04	
01 22 23 00-0353	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,590.05	
01 22 23 00-0354	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,134.13	
01 22 23 00-0355	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	869.66	
01 22 23 00-0356	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,342.89	
01 22 23 00-0357	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,567.88	
01 22 23 00-0358	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	181.72	
01 22 23 00-0359	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	726.88	
01 22 23 00-0360	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,180.64	
01 22 23 00-0361	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	259.60	
01 22 23 00-0362	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0363	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,115.20	
01 22 23 00-0364	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	285.56	
01 22 23 00-0365	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,129.26	
01 22 23 00-0366	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,374.80	

01 22 23 00-0367 Mini-Excavators *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0368	DAY	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	956.33	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0369	WK	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	4,191.05	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0370	MO	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	16,436.35	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0371	DAY	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	962.82	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0372	WK	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	4,210.52	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0373	MO	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	16,845.22	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0374	DAY	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	995.27	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0375	WK	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	4,301.38	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0376	MO	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	16,903.63	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0377	DAY	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	1,008.25	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0378	WK	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	4,346.81	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0379	MO	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	16,929.59	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0380	DAY	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	1,086.13	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0381	WK	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	4,411.71	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0382	MO	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	17,682.43	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0383	DAY	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	1,092.62	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0384	WK	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,736.21	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0385	MO	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	17,714.88	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0386 Gradall, Telescopic Hydraulic Excavators *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0387	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	1,794.56	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0388	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	7,857.00	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0389	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	30,580.31	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0390 Road Graders *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0391	DAY	60 HP Road Grader With Full-Time Operator	1,097.15	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0392	WK	60 HP Road Grader With Full-Time Operator	4,537.04	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0393	MO	60 HP Road Grader With Full-Time Operator	18,080.27	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0394	DAY	80 HP Road Grader With Full-Time Operator	1,219.05	
		For Equipment Without Operator, Deduct	*-683.75*	

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0395	WK	80 HP Road Grader With Full-Time Operator	4,876.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0396	MO	80 HP Road Grader With Full-Time Operator	22,681.68	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0397	DAY	130 HP Road Grader With Full-Time Operator	1,129.50	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0398	WK	130 HP Road Grader With Full-Time Operator	5,196.74	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0399	MO	130 HP Road Grader With Full-Time Operator	21,077.93	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0400 Loader-Backhoes With Standard Bucket *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0401	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,077.37	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0402	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,353.60	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0403	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	16,936.05	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0404	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,119.55	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0405	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,501.21	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0406	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	17,835.76	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0407	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,184.57	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0408	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,662.87	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0409	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	18,299.67	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0410	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,474.51	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0411	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,527.44	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0412	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,773.88	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0413 Heavy Duty Construction Loaders *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0414	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,228.13	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0415	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	5,571.12	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0416	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	21,184.72	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0417	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,680.37	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0418	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	6,065.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0419	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	21,435.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0420	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,780.87	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0421	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	6,333.24	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0422	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	22,105.97	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0423	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,057.25	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0424	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	7,061.86	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0425	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	23,948.47	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0426	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,769.13	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0427	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	11,743.49	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0428	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	39,693.47	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0429	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	7,459.04	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0430	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	25,419.63	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0431	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	74,694.35	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0432 Shoring *(01 22 23 00-0242)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0433 Aluminum Hydraulic Shoring *(01 22 23 00-0432)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0434	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	30.17	
01 22 23 00-0435	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	88.99	
01 22 23 00-0436	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	40.47	
01 22 23 00-0437	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	119.38	
01 22 23 00-0438	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	75.05	
01 22 23 00-0439	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	221.40	
01 22 23 00-0440	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	21.26	
01 22 23 00-0441	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	34.02	
01 22 23 00-0442	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	56.70	

01 22 23 00-0443 Trench Boxes/Trench Shields *(01 22 23 00-0242)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0444	WK	4' x 6' Trench Box With Up To 48" Spreaders	147.61	
01 22 23 00-0445	MO	4' x 6' Trench Box With Up To 48" Spreaders	442.82	
01 22 23 00-0446	WK	6' x 6' Trench Box With Up To 48" Spreaders	166.65	
01 22 23 00-0447	MO	6' x 6' Trench Box With Up To 48" Spreaders	499.96	
01 22 23 00-0448	WK	8' x 6' Trench Box With Up To 48" Spreaders	176.18	
01 22 23 00-0449	MO	8' x 6' Trench Box With Up To 48" Spreaders	528.53	
01 22 23 00-0450	WK	4' x 8' Trench Box With Up To 48" Spreaders	161.89	
01 22 23 00-0451	MO	4' x 8' Trench Box With Up To 48" Spreaders	485.67	
01 22 23 00-0452	WK	6' x 8' Trench Box With Up To 48" Spreaders	190.46	
01 22 23 00-0453	MO	6' x 8' Trench Box With Up To 48" Spreaders	571.38	
01 22 23 00-0454	WK	8' x 8' Trench Box With Up To 48" Spreaders	214.27	
01 22 23 00-0455	MO	8' x 8' Trench Box With Up To 48" Spreaders	642.80	
01 22 23 00-0456	WK	4' x 10' Trench Box With Up To 48" Spreaders	180.94	
01 22 23 00-0457	MO	4' x 10' Trench Box With Up To 48" Spreaders	542.81	
01 22 23 00-0458	WK	6' x 10' Trench Box With Up To 48" Spreaders	214.27	
01 22 23 00-0459	MO	6' x 10' Trench Box With Up To 48" Spreaders	642.80	
01 22 23 00-0460	WK	8' x 10' Trench Box With Up To 48" Spreaders	261.88	
01 22 23 00-0461	MO	8' x 10' Trench Box With Up To 48" Spreaders	780.89	
01 22 23 00-0462	WK	4' x 12' Trench Box With Up To 48" Spreaders	214.27	
01 22 23 00-0463	MO	4' x 12' Trench Box With Up To 48" Spreaders	642.80	
01 22 23 00-0464	WK	6' x 12' Trench Box With Up To 48" Spreaders	261.88	
01 22 23 00-0465	MO	6' x 12' Trench Box With Up To 48" Spreaders	785.65	
01 22 23 00-0466	WK	8' x 12' Trench Box With Up To 48" Spreaders	333.30	
01 22 23 00-0467	MO	8' x 12' Trench Box With Up To 48" Spreaders	999.92	
01 22 23 00-0468	WK	4' x 14' Trench Box With Up To 48" Spreaders	238.08	
01 22 23 00-0469	MO	4' x 14' Trench Box With Up To 48" Spreaders	714.22	
01 22 23 00-0470	WK	6' x 14' Trench Box With Up To 48" Spreaders	309.50	
01 22 23 00-0471	MO	6' x 14' Trench Box With Up To 48" Spreaders	928.49	
01 22 23 00-0472	WK	8' x 14' Trench Box With Up To 48" Spreaders	380.92	
01 22 23 00-0473	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,142.76	
01 22 23 00-0474	WK	4' x 16' Trench Box With Up To 48" Spreaders	261.88	
01 22 23 00-0475	MO	4' x 16' Trench Box With Up To 48" Spreaders	785.65	
01 22 23 00-0476	WK	6' x 16' Trench Box With Up To 48" Spreaders	357.11	
01 22 23 00-0477	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,071.34	
01 22 23 00-0478	WK	8' x 16' Trench Box With Up To 48" Spreaders	428.54	
01 22 23 00-0479	MO	8' x 16' Trench Box With Up To 48" Spreaders	1,285.60	
01 22 23 00-0480	WK	4' x 20' Trench Box With Up To 48" Spreaders	309.50	
01 22 23 00-0481	MO	4' x 20' Trench Box With Up To 48" Spreaders	928.49	
01 22 23 00-0482	WK	6' x 20' Trench Box With Up To 48" Spreaders	428.54	
01 22 23 00-0483	MO	6' x 20' Trench Box With Up To 48" Spreaders	1,285.60	
01 22 23 00-0484	WK	8' x 20' Trench Box With Up To 48" Spreaders	499.96	
01 22 23 00-0485	MO	8' x 20' Trench Box With Up To 48" Spreaders	1,499.87	
01 22 23 00-0486	WK	4' x 24' Trench Box With Up To 48" Spreaders	428.54	
01 22 23 00-0487	MO	4' x 24' Trench Box With Up To 48" Spreaders	1,285.60	
01 22 23 00-0488	WK	6' x 24' Trench Box With Up To 48" Spreaders	523.76	
01 22 23 00-0489	MO	6' x 24' Trench Box With Up To 48" Spreaders	1,571.30	
01 22 23 00-0490	WK	8' x 24' Trench Box With Up To 48" Spreaders	571.38	
01 22 23 00-0491	MO	8' x 24' Trench Box With Up To 48" Spreaders	1,714.14	
01 22 23 00-0492	WK	For Spreaders >48" To 84", Add	14.28	
01 22 23 00-0493	MO	For Spreaders >48" To 84", Add	42.85	
01 22 23 00-0494	WK	For Spreaders >84" To 120", Add	85.71	
01 22 23 00-0495	MO	For Spreaders >84" To 120", Add	257.12	
01 22 23 00-0496	WK	For Spreaders >120", Add	180.94	
01 22 23 00-0497	MO	For Spreaders >120", Add	542.81	
01 22 23 00-0498	WK	8' x 4' Manhole Box	224.98	
01 22 23 00-0499	MO	8' x 4' Manhole Box	674.94	
01 22 23 00-0500	WK	8' x 8' Manhole Box	321.40	
01 22 23 00-0501	MO	8' x 8' Manhole Box	964.20	

01 22 23 00-0502 Trenchers *(01 22 23 00-0242)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0503		DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,014.41	
			For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0504		WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,545.04	
			For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0505		MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	17,835.87	
			For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0506		DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,572.39	
			For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0507		WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,425.64	
			For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0508		MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	23,002.37	
			For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0509 Heavy Equipment Mats *(01 22 23 00-0242)*

Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0510		Day	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	20.00
01 22 23 00-0511		WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	47.62
01 22 23 00-0512		MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	100.00
01 22 23 00-0513		Day	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	21.00
01 22 23 00-0514		WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	50.00
01 22 23 00-0515		MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	105.00
01 22 23 00-0516		Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	17.00
01 22 23 00-0517		WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	40.00
01 22 23 00-0518		MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	85.00
01 22 23 00-0519		Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	19.00
01 22 23 00-0520		WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	45.00
01 22 23 00-0521		MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	95.00
01 22 23 00-0522		Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	21.00
01 22 23 00-0523		WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	50.00
01 22 23 00-0524		MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	105.00
01 22 23 00-0525		Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.00
01 22 23 00-0526		WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.76
01 22 23 00-0527		MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.00
01 22 23 00-0528		Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	18.00
01 22 23 00-0529		WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.00
01 22 23 00-0530		MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	90.00
01 22 23 00-0531		Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.00
01 22 23 00-0532		WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.00
01 22 23 00-0533		MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	105.00
01 22 23 00-0534		Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.00
01 22 23 00-0535		WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	55.00
01 22 23 00-0536		MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	125.00
01 22 23 00-0537		Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	27.00
01 22 23 00-0538		WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	64.29
01 22 23 00-0539		MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	135.00
01 22 23 00-0540		Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.00
01 22 23 00-0541		WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	69.05
01 22 23 00-0542		MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	145.00
01 22 23 00-0543		Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.00
01 22 23 00-0544		WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.43
01 22 23 00-0545		MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	150.00
01 22 23 00-0546		Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.62
01 22 23 00-0547		WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.05
01 22 23 00-0548		MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	72.15
01 22 23 00-0549		Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.50
01 22 23 00-0550		WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.75
01 22 23 00-0551		MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.25
01 22 23 00-0552		Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.13
01 22 23 00-0553		WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.83
01 22 23 00-0554		MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.50
01 22 23 00-0555		Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.00
01 22 23 00-0556		WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.00
01 22 23 00-0557		MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.00
01 22 23 00-0558		Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.00
01 22 23 00-0559		WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00
01 22 23 00-0560		MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.00
01 22 23 00-0561		Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.39
01 22 23 00-0562		WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	45.97
01 22 23 00-0563		MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	137.90
01 22 23 00-0564		Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.15
01 22 23 00-0565		WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.37
01 22 23 00-0566		MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	106.10
01 22 23 00-0567		Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.15
01 22 23 00-0568		WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.88
01 22 23 00-0569		MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	143.65
01 22 23 00-0570		Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.56
01 22 23 00-0571		WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.40
01 22 23 00-0572		MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.20
01 22 23 00-0573		Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.62
01 22 23 00-0574		WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	69.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0575	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	207.14	
01 22 23 00-0576	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.44	
01 22 23 00-0577	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.60	
01 22 23 00-0578	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	220.80	

01 22 23 00-0579 Electrical Equipment *(01 22 23)*

01 22 23 00-0580 Tripod Mounted Floodlights *(01 22 23 00-0579)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0581	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	67.83	
01 22 23 00-0582	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	160.49	
01 22 23 00-0583	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	339.17	
01 22 23 00-0584	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	67.83	
01 22 23 00-0585	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.54	
01 22 23 00-0586	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	587.35	
01 22 23 00-0587	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	76.11	
01 22 23 00-0588	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	206.81	
01 22 23 00-0589	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	504.62	

01 22 23 00-0590 Trailer Mounted Floodlights *(01 22 23 00-0579)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0591	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	190.27	
01 22 23 00-0592	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	421.90	
01 22 23 00-0593	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	909.98	

01 22 23 00-0594 Generator Sets *(01 22 23 00-0579)*

01 22 23 00-0595 Portable, Gas Or Diesel Powered Generator Sets *(01 22 23 00-0594)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.

01 22 23 00-0596	DAY	3.6 KW, 8 HP Gas Powered Generator Set	52.27	
		For LP Or NG Gas, Add	*6.53*	
01 22 23 00-0597	WK	3.6 KW, 8 HP Gas Powered Generator Set	188.42	
		For LP Or NG Gas, Add	*23.55*	
01 22 23 00-0598	MO	3.6 KW, 8 HP Gas Powered Generator Set	522.71	
		For LP Or NG Gas, Add	*65.34*	
01 22 23 00-0599	DAY	5 KW, 11 HP Gas Powered Generator Set	74.15	
		For LP Or NG Gas, Add	*9.27*	
01 22 23 00-0600	WK	5 KW, 11 HP Gas Powered Generator Set	237.04	
		For LP Or NG Gas, Add	*29.63*	
01 22 23 00-0601	MO	5 KW, 11 HP Gas Powered Generator Set	540.94	
		For LP Or NG Gas, Add	*67.62*	
01 22 23 00-0602	DAY	6.5 KW, 13 HP Gas Powered Generator Set	94.82	
		For LP Or NG Gas, Add	*11.85*	
01 22 23 00-0603	WK	6.5 KW, 13 HP Gas Powered Generator Set	255.28	
		For LP Or NG Gas, Add	*31.91*	
01 22 23 00-0604	MO	6.5 KW, 13 HP Gas Powered Generator Set	705.05	
		For LP Or NG Gas, Add	*88.13*	
01 22 23 00-0605	DAY	10 KW, 18 HP Gas Powered Generator Set	105.76	
		For LP Or NG Gas, Add	*13.22*	
01 22 23 00-0606	WK	10 KW, 18 HP Gas Powered Generator Set	285.67	
		For LP Or NG Gas, Add	*35.71*	
01 22 23 00-0607	MO	10 KW, 18 HP Gas Powered Generator Set	820.53	
		For LP Or NG Gas, Add	*102.57*	

01 22 23 00-0608 Towable, Diesel Powered Generator Sets *(01 22 23 00-0594)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.

01 22 23 00-0609	DAY	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	217.59	
01 22 23 00-0610	WK	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	568.90	
01 22 23 00-0611	MO	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	1,549.89	
01 22 23 00-0612	DAY	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	341.81	
01 22 23 00-0613	WK	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	769.89	
01 22 23 00-0614	MO	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	2,050.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0615	DAY	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	447.61	
01 22 23 00-0616	WK	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	1,003.74	
01 22 23 00-0617	MO	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	2,787.40	
01 22 23 00-0618	DAY	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	562.91	
01 22 23 00-0619	WK	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	1,241.11	
01 22 23 00-0620	MO	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	3,533.42	
01 22 23 00-0621	DAY	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	579.86	
01 22 23 00-0622	WK	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,336.05	
01 22 23 00-0623	MO	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	4,116.67	
01 22 23 00-0624	DAY	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	596.82	
01 22 23 00-0625	WK	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,424.22	
01 22 23 00-0626	MO	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	4,699.93	
01 22 23 00-0627	DAY	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	653.78	
01 22 23 00-0628	WK	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,486.61	
01 22 23 00-0629	MO	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour	4,937.30	
01 22 23 00-0630	DAY	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	813.84	
01 22 23 00-0631	WK	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	2,082.07	
01 22 23 00-0632	MO	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	5,493.42	
01 22 23 00-0633	DAY	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	922.35	
01 22 23 00-0634	WK	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	2,238.06	
01 22 23 00-0635	MO	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	6,103.80	
01 22 23 00-0636	DAY	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	1,302.14	
01 22 23 00-0637	WK	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,929.82	
01 22 23 00-0638	MO	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	7,812.86	
01 22 23 00-0639	DAY	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	1,390.31	
01 22 23 00-0640	WK	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	3,363.87	
01 22 23 00-0641	MO	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	9,833.90	
01 22 23 00-0642	DAY	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	1,551.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0643	WK	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	3,526.64	
01 22 23 00-0644	MO	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	10,579.92	
01 22 23 00-0645	DAY	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	2,170.24	
01 22 23 00-0646	WK	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	5,425.60	
01 22 23 00-0647	MO	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	16,276.80	
01 22 23 00-0648	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	904.74	
01 22 23 00-0649	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,402.56	
01 22 23 00-0650		**Cabling For Generator Sets** *(01 22 23 00-0594)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0651	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	29.84	
01 22 23 00-0652	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	52.22	
01 22 23 00-0653	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	156.66	
01 22 23 00-0654	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	14.92	
01 22 23 00-0655	WK	50', 4/0 Cable With Camlock Ends For Generator Set	43.40	
01 22 23 00-0656	MO	50', 4/0 Cable With Camlock Ends For Generator Set	120.72	
01 22 23 00-0657		**Resistive Loadbanks** *(01 22 23 00-0594)* Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.		
01 22 23 00-0658	DAY	100 KW A/C Resistive Loadbank	427.69	
01 22 23 00-0659	WK	100 KW A/C Resistive Loadbank	1,055.57	
01 22 23 00-0660	MO	100 KW A/C Resistive Loadbank	3,157.61	
01 22 23 00-0661	DAY	650 KW A/C Resistive Loadbank	720.70	
01 22 23 00-0662	WK	650 KW A/C Resistive Loadbank	1,927.33	
01 22 23 00-0663	MO	650 KW A/C Resistive Loadbank	4,913.86	
01 22 23 00-0664		**Sub-Distribution Panels (Spider Box)** *(01 22 23 00-0594)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0665	DAY	Sub-Distribution Panel (Spider Box)	73.25	
01 22 23 00-0666	WK	Sub-Distribution Panel (Spider Box)	189.90	
01 22 23 00-0667	MO	Sub-Distribution Panel (Spider Box)	535.78	
01 22 23 00-0668		**Portable Distribution Panels** *(01 22 23 00-0594)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0669	DAY	200 Amp Spider Box Feeder Panel	162.77	
01 22 23 00-0670	WK	200 Amp Spider Box Feeder Panel	440.83	
01 22 23 00-0671	MO	200 Amp Spider Box Feeder Panel	1,234.32	
01 22 23 00-0672	DAY	100 Amp Quad Box Panel	132.93	
01 22 23 00-0673	WK	100 Amp Quad Box Panel	345.88	
01 22 23 00-0674	MO	100 Amp Quad Box Panel	983.39	
01 22 23 00-0675	DAY	200 Amp Quad Box Panel	169.55	
01 22 23 00-0676	WK	200 Amp Quad Box Panel	427.27	
01 22 23 00-0677	MO	200 Amp Quad Box Panel	1,159.72	
01 22 23 00-0678		**Fuel Reimbursement For Generators** *(01 22 23 00-0594)*		
01 22 23 00-0679	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0680		**Generator Accessories** *(01 22 23 00-0594)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0681		**Step Down Transformer** *(01 22 23 00-0680)*		
01 22 23 00-0682	WK	75 KVA, 480-208 Volt, Step Down Transformer	400.14	
01 22 23 00-0683	MO	75 KVA, 480-208 Volt, Step Down Transformer	1,119.03	
01 22 23 00-0684	WK	150 KVA, 480-208 Volt, Step Down Transformer	641.58	
01 22 23 00-0685	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,923.38	
01 22 23 00-0686	WK	225 KVA, 480-208 Volt, Step Down Transformer	854.53	
01 22 23 00-0687	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,563.60	
01 22 23 00-0688	WK	500 KVA, 480-208 Volt, Step Down Transformer	1,017.30	
01 22 23 00-0689	MO	500 KVA, 480-208 Volt, Step Down Transformer	3,051.90	
01 22 23 00-0690	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,519.17	
01 22 23 00-0691	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,537.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0692	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,468.65	
01 22 23 00-0693	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	7,399.16	
01 22 23 00-0694	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,848.44	
01 22 23 00-0695	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	8,545.32	

01 22 23 00-0696 Portable Panel *(01 22 23 00-0680)*

01 22 23 00-0697	WK	100 Amp Portable Panel	318.75	
01 22 23 00-0698	MO	100 Amp Portable Panel	813.84	
01 22 23 00-0699	WK	200 Amp Portable Panel	381.15	
01 22 23 00-0700	MO	200 Amp Portable Panel	1,017.30	
01 22 23 00-0701	WK	400 Amp Portable Panel	406.92	
01 22 23 00-0702	MO	400 Amp Portable Panel	1,220.76	

01 22 23 00-0703 Portable Fusible Disconnect *(01 22 23 00-0680)*

01 22 23 00-0704	WK	100 - 200 Amp Portable Fusible Disconnect	142.42	
01 22 23 00-0705	MO	100 - 200 Amp Portable Fusible Disconnect	427.27	
01 22 23 00-0706	WK	300 - 400 Amp Portable Fusible Disconnect	284.84	
01 22 23 00-0707	MO	300 - 400 Amp Portable Fusible Disconnect	854.53	

01 22 23 00-0708 Portable Transfer Switch *(01 22 23 00-0680)*

01 22 23 00-0709	WK	100 Amp, 480 Volt, Portable Transfer Switch	427.27	
01 22 23 00-0710	MO	100 Amp, 480 Volt, Portable Transfer Switch	1,281.80	
01 22 23 00-0711	WK	200 Amp, 480 Volt, Portable Transfer Switch	569.69	
01 22 23 00-0712	MO	200 Amp, 480 Volt, Portable Transfer Switch	1,709.06	
01 22 23 00-0713	WK	400 Amp, 480 Volt, Portable Transfer Switch	712.11	
01 22 23 00-0714	MO	400 Amp, 480 Volt, Portable Transfer Switch	2,136.33	

01 22 23 00-0715 Welding Machines *(01 22 23 00-0579)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0716 Diesel Powered Towable Welding Machines *(01 22 23 00-0715)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0717	DAY	250 To 299 AMP, Diesel Powered Towable Welding Machine	118.03	
01 22 23 00-0718	WK	250 To 299 AMP, Diesel Powered Towable Welding Machine	288.51	
01 22 23 00-0719	MO	250 To 299 AMP, Diesel Powered Towable Welding Machine	688.48	
01 22 23 00-0720	DAY	300 To 349 AMP, Diesel Powered Towable Welding Machine	157.37	
01 22 23 00-0721	WK	300 To 349 AMP, Diesel Powered Towable Welding Machine	308.18	
01 22 23 00-0722	MO	300 To 349 AMP, Diesel Powered Towable Welding Machine	719.96	
01 22 23 00-0723	DAY	350 To 399 AMP, Diesel Powered Towable Welding Machine	163.92	
01 22 23 00-0724	WK	350 To 399 AMP, Diesel Powered Towable Welding Machine	327.85	
01 22 23 00-0725	MO	350 To 399 AMP, Diesel Powered Towable Welding Machine	799.95	

01 22 23 00-0726 General Equipment *(01 22 23)*

01 22 23 00-0727 Jacks And Bracing *(01 22 23 00-0726)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0728 Manual Hydraulic Jacks *(01 22 23 00-0727)*

01 22 23 00-0729	DAY	12 Ton Manual Hydraulic Bottle Jack	1.33	
01 22 23 00-0730	WK	12 Ton Manual Hydraulic Bottle Jack	6.33	
01 22 23 00-0731	MO	12 Ton Manual Hydraulic Bottle Jack	22.76	
01 22 23 00-0732	DAY	20 Ton Manual Hydraulic Bottle Jack	2.33	
01 22 23 00-0733	WK	20 Ton Manual Hydraulic Bottle Jack	7.33	
01 22 23 00-0734	MO	20 Ton Manual Hydraulic Bottle Jack	27.76	
01 22 23 00-0735	DAY	50 Ton Manual Hydraulic Bottle Jack	8.33	
01 22 23 00-0736	WK	50 Ton Manual Hydraulic Bottle Jack	32.34	
01 22 23 00-0737	MO	50 Ton Manual Hydraulic Bottle Jack	114.34	
01 22 23 00-0738	DAY	100 Ton Manual Hydraulic Bottle Jack	11.67	
01 22 23 00-0739	WK	100 Ton Manual Hydraulic Bottle Jack	46.67	
01 22 23 00-0740	MO	100 Ton Manual Hydraulic Bottle Jack	168.10	

01 22 23 00-0741 Manual Screw Jacks *(01 22 23 00-0727)*

01 22 23 00-0742	DAY	10 To 20 Ton Manual Screw Jack	14.05	
01 22 23 00-0743	WK	10 To 20 Ton Manual Screw Jack	37.84	
01 22 23 00-0744	MO	10 To 20 Ton Manual Screw Jack	104.86	

01 22 23 00-0745 Pressure Washers *(01 22 23 00-0726)*

Note: Includes full-time operator, delivery, set-up, and removal.

01 22 23 00-0746	DAY	2,000 PSI Pressure Washer With Full-Time Operator	627.18	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0747	WK	2,000 PSI Pressure Washer With Full-Time Operator	2,925.66	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0748	MO	2,000 PSI Pressure Washer With Full-Time Operator	12,227.99	
		For Equipment Without Operator, Deduct	*-11,676.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0749	DAY	2,500 PSI Pressure Washer With Full-Time Operator	627.18	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0750	WK	2,500 PSI Pressure Washer With Full-Time Operator	2,925.66	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0751	MO	2,500 PSI Pressure Washer With Full-Time Operator	12,227.99	
		For Equipment Without Operator, Deduct	*-11,676.19*	
01 22 23 00-0752	DAY	3,000 PSI Pressure Washer With Full-Time Operator	627.18	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0753	WK	3,000 PSI Pressure Washer With Full-Time Operator	2,925.66	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0754	MO	3,000 PSI Pressure Washer With Full-Time Operator	12,227.99	
		For Equipment Without Operator, Deduct	*-11,676.19*	
01 22 23 00-0755	DAY	3,500 PSI Pressure Washer With Full-Time Operator	633.75	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0756	WK	3,500 PSI Pressure Washer With Full-Time Operator	2,945.36	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0757	MO	3,500 PSI Pressure Washer With Full-Time Operator	12,280.54	
		For Equipment Without Operator, Deduct	*-11,676.19*	
01 22 23 00-0758	DAY	4,000 PSI Pressure Washer With Full-Time Operator	660.02	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0759	WK	4,000 PSI Pressure Washer With Full-Time Operator	3,030.76	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0760	MO	4,000 PSI Pressure Washer With Full-Time Operator	12,576.14	
		For Equipment Without Operator, Deduct	*-11,676.19*	
01 22 23 00-0761	DAY	5,000 PSI Pressure Washer With Full-Time Operator	673.16	
		For Equipment Without Operator, Deduct	*-541.78*	
01 22 23 00-0762	WK	5,000 PSI Pressure Washer With Full-Time Operator	3,063.61	
		For Equipment Without Operator, Deduct	*-2,708.88*	
01 22 23 00-0763	MO	5,000 PSI Pressure Washer With Full-Time Operator	12,674.68	
		For Equipment Without Operator, Deduct	*-11,676.19*	

01 22 23 00-0764 Confined Space Entry Equipment *(01 22 23 00-0726)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-0765	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	44.23	
01 22 23 00-0766	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	132.69	
01 22 23 00-0767	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	395.97	
01 22 23 00-0768	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	32.88	
01 22 23 00-0769	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	98.63	
01 22 23 00-0770	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	295.89	
01 22 23 00-0771	DAY	Confined Space Air Monitor Personnel Note: Per person day.	641.93	

01 22 23 00-0772 Material Handling Equipment *(01 22 23)*

01 22 23 00-0773 Truck Mounted Hydraulic Cranes *(01 22 23 00-0772)*

Note: Includes full-time operator. Include delivery, set-up, and removal time in rental period.

01 22 23 00-0774	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,117.42	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0775	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,732.50	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0776	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,690.02	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0777	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,232.21	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0778	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,073.70	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0779	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,710.42	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0780	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,347.01	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0781	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,414.90	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0782	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,730.82	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0783	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,500.07	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0784	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,874.08	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0785	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	22,101.98	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0786	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,640.37	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0787	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,824.32	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0788	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,950.17	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0789	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,972.01	
		For Equipment Without Operator, Deduct	*-683.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0790	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,010.54	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0791	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,511.37	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0792	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,182.46	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0793	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,750.33	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0794	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,735.84	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0795	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,348.28	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0796	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,349.82	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0797	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	32,531.75	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0798	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,514.09	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0799	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,949.30	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0800	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,327.65	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0801	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,622.51	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0802	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,319.20	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0803	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	35,450.09	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0804	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,769.19	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0805	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,867.66	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0806	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,082.73	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0807 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes *(01 22 23 00-0772)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0808	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,214.35	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0809	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	8,877.88	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0810	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	31,113.39	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0811	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,394.19	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0812	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,842.15	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0813	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	37,006.20	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0814	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,585.51	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0815	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,238.82	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0816	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,194.94	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0817	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,968.16	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0818	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,635.50	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0819	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	45,378.58	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0820	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,331.68	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0821	WK	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	16,428.84	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0822	MO	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	53,766.27	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0823	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,931.17	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0824	WK	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	18,578.06	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0825	MO	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	60,204.99	
		For Equipment Without Operator, Deduct	*-14,735.97*	
01 22 23 00-0826	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	8,617.36	
		For Equipment Without Operator, Deduct	*-683.75*	
01 22 23 00-0827	WK	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	31,715.71	
		For Equipment Without Operator, Deduct	*-3,418.74*	
01 22 23 00-0828	MO	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	99,633.25	
		For Equipment Without Operator, Deduct	*-14,735.97*	

01 22 23 00-0829 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0772)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0830	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,144.67	
		For Equipment Without Operator, Deduct	*-641.93*	
01 22 23 00-0831	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,440.03	
		For Equipment Without Operator, Deduct	*-3,209.64*	
01 22 23 00-0832	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,480.64	
		For Equipment Without Operator, Deduct	*-13,834.64*	
01 22 23 00-0833	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,197.59	
		For Equipment Without Operator, Deduct	*-641.93*	
01 22 23 00-0834	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,559.10	
		For Equipment Without Operator, Deduct	*-3,209.64*	
01 22 23 00-0835	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,745.24	
		For Equipment Without Operator, Deduct	*-13,834.64*	
01 22 23 00-0836	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,184.36	
		For Equipment Without Operator, Deduct	*-641.93*	
01 22 23 00-0837	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,618.64	
		For Equipment Without Operator, Deduct	*-3,209.64*	
01 22 23 00-0838	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	17,142.14	
		For Equipment Without Operator, Deduct	*-13,834.64*	
01 22 23 00-0839	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,336.51	
		For Equipment Without Operator, Deduct	*-641.93*	
01 22 23 00-0840	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,015.54	
		For Equipment Without Operator, Deduct	*-3,209.64*	
01 22 23 00-0841	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	18,068.24	
		For Equipment Without Operator, Deduct	*-13,834.64*	

01 22 23 00-0842 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0772)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0843	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	968.71	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*65.36*	
01 22 23 00-0844	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,102.00	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*178.47*	
01 22 23 00-0845	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,877.02	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*408.48*	
01 22 23 00-0846	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	985.91	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*68.80*	
01 22 23 00-0847	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,148.97	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*187.87*	
01 22 23 00-0848	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,984.52	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*429.98*	
01 22 23 00-0849	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,078.52	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*87.32*	
01 22 23 00-0850	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,406.96	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*239.46*	
01 22 23 00-0851	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	16,579.86	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*549.04*	
01 22 23 00-0852	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,129.52	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*97.52*	
01 22 23 00-0853	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,384.86	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*235.04*	
01 22 23 00-0854	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	16,760.19	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*585.11*	

01 22 23 00-0855 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0772)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0856	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	919.76	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*55.57*	
01 22 23 00-0857	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,844.68	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*127.01*	
01 22 23 00-0858	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,356.09	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*304.29*	
01 22 23 00-0859	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	926.37	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*56.89*	
01 22 23 00-0860	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,864.52	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*130.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0861	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,402.40	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*313.55*	
01 22 23 00-0862	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,065.29	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*84.67*	
01 22 23 00-0863	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,168.82	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*191.84*	
01 22 23 00-0864	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,149.89	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*463.05*	
01 22 23 00-0865	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,078.52	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*87.32*	
01 22 23 00-0866	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,281.27	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*214.33*	
01 22 23 00-0867	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,546.79	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*542.43*	
01 22 23 00-0868	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,197.59	
		For Equipment Without Operator, Deduct	*-641.93*	
		For Propane Instead Of Gas Or Diesel, Add	*111.13*	
01 22 23 00-0869	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,473.10	
		For Equipment Without Operator, Deduct	*-3,209.64*	
		For Propane Instead Of Gas Or Diesel, Add	*252.69*	
01 22 23 00-0870	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	16,877.54	
		For Equipment Without Operator, Deduct	*-13,834.64*	
		For Propane Instead Of Gas Or Diesel, Add	*608.58*	

01 22 23 00-0871 Chain Hoists *(01 22 23 00-0772)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0872	DAY	1 Ton, 20' Lift, Manual Chain Hoist	1.75
01 22 23 00-0873	WK	1 Ton, 20' Lift, Manual Chain Hoist	7.00
01 22 23 00-0874	MO	1 Ton, 20' Lift, Manual Chain Hoist	23.39
01 22 23 00-0875	DAY	3 Ton, 20' Lift, Manual Chain Hoist	3.33
01 22 23 00-0876	WK	3 Ton, 20' Lift, Manual Chain Hoist	11.34
01 22 23 00-0877	MO	3 Ton, 20' Lift, Manual Chain Hoist	42.05
01 22 23 00-0878	DAY	5 Ton, 20' Lift, Manual Chain Hoist	4.33
01 22 23 00-0879	WK	5 Ton, 20' Lift, Manual Chain Hoist	15.34
01 22 23 00-0880	MO	5 Ton, 20' Lift, Manual Chain Hoist	56.05
01 22 23 00-0881	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	46.01
01 22 23 00-0882	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	183.04
01 22 23 00-0883	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	369.29
01 22 23 00-0884	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	52.01
01 22 23 00-0885	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	207.05
01 22 23 00-0886	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	738.61
01 22 23 00-0887	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	53.68
01 22 23 00-0888	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	214.71
01 22 23 00-0889	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	773.14

01 22 23 00-0890 Pumping Equipment *(01 22 23)*

01 22 23 00-0891 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0915 for larger diameter pumps.

01 22 23 00-0892	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	59.29
01 22 23 00-0893	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	133.41
01 22 23 00-0894	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	355.75
01 22 23 00-0895	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	71.15
01 22 23 00-0896	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	160.09
01 22 23 00-0897	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	426.90

01 22 23 00-0898 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0899	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	68.19
01 22 23 00-0900	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	192.70
01 22 23 00-0901	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	489.16
01 22 23 00-0902	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	83.01
01 22 23 00-0903	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	222.34
01 22 23 00-0904	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	629.98

01 22 23 00-0905 Gas Powered Portable Trash Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0906	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	85.97
01 22 23 00-0907	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	177.88
01 22 23 00-0908	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	533.63
01 22 23 00-0909	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	85.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0910	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	229.76	
01 22 23 00-0911	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	629.98	
01 22 23 00-0912	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	136.37	
01 22 23 00-0913	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	385.40	
01 22 23 00-0914	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,119.14	

01 22 23 00-0915 Diesel Powered Portable Trash Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0916	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	266.81	
01 22 23 00-0917	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	726.33	
01 22 23 00-0918	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,164.71	
01 22 23 00-0919	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	407.63	
01 22 23 00-0920	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,067.26	
01 22 23 00-0921	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,838.60	
01 22 23 00-0922	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	554.38	
01 22 23 00-0923	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,483.78	
01 22 23 00-0924	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,969.60	
01 22 23 00-0925	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	717.43	
01 22 23 00-0926	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,832.12	
01 22 23 00-0927	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,380.75	

01 22 23 00-0928 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0929	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	380.95	
01 22 23 00-0930	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	867.15	
01 22 23 00-0931	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,703.72	
01 22 23 00-0932	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	466.92	
01 22 23 00-0933	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,163.61	
01 22 23 00-0934	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,164.71	
01 22 23 00-0935	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	563.27	
01 22 23 00-0936	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,666.11	
01 22 23 00-0937	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,647.01	
01 22 23 00-0938	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	847.88	
01 22 23 00-0939	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,165.64	
01 22 23 00-0940	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,359.07	

01 22 23 00-0941 3 Phase Electric Submersible Pumps *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0942	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	148.23	
01 22 23 00-0943	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	370.58	
01 22 23 00-0944	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,111.72	
01 22 23 00-0945	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	195.66	
01 22 23 00-0946	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	489.16	
01 22 23 00-0947	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,467.48	

01 22 23 00-0948 Suction Hose With Couplings *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-0949	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	8.89	
01 22 23 00-0950	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	22.23	
01 22 23 00-0951	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	68.19	
01 22 23 00-0952	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	23.72	
01 22 23 00-0953	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	60.77	
01 22 23 00-0954	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	185.29	
01 22 23 00-0955	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	35.58	
01 22 23 00-0956	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	90.42	
01 22 23 00-0957	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	274.23	
01 22 23 00-0958	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	44.47	
01 22 23 00-0959	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	111.17	
01 22 23 00-0960	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	326.11	
01 22 23 00-0961	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	103.76	
01 22 23 00-0962	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	266.81	
01 22 23 00-0963	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	785.62	
01 22 23 00-0964	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	139.34	
01 22 23 00-0965	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	303.87	
01 22 23 00-0966	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	911.61	

01 22 23 00-0967 Discharge Hose With Couplings *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-0968	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.89	
01 22 23 00-0969	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.23	
01 22 23 00-0970	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	68.19	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0971	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	10.38	
01 22 23 00-0972	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	25.20	
01 22 23 00-0973	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	78.56	
01 22 23 00-0974	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.86	
01 22 23 00-0975	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	29.65	
01 22 23 00-0976	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.42	
01 22 23 00-0977	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	31.13	
01 22 23 00-0978	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	80.04	
01 22 23 00-0979	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	229.76	
01 22 23 00-0980	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	38.54	
01 22 23 00-0981	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	105.24	
01 22 23 00-0982	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	289.05	
01 22 23 00-0983	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	29.65	
01 22 23 00-0984	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	74.12	
01 22 23 00-0985	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	222.34	
01 22 23 00-0986	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	75.60	
01 22 23 00-0987	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	192.70	
01 22 23 00-0988	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	570.69	

01 22 23 00-0989 Hydraulic Submersible Pumps *(01 22 23 00-0890)*

01 22 23 00-0990 Hydraulic Submersible Pumps *(01 22 23 00-0989)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0991	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.83	
01 22 23 00-0992	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	262.37	
01 22 23 00-0993	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	733.74	
01 22 23 00-0994	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.51	
01 22 23 00-0995	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	320.18	
01 22 23 00-0996	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	978.32	

01 22 23 00-0997 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-0989)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0998	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	226.05	
01 22 23 00-0999	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	674.45	
01 22 23 00-1000	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,778.76	

01 22 23 00-1001 HDPE Pipe With Couplings *(01 22 23 00-0890)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1002	DAY	4" x 20' HDPE Pipe With Couplings	5.00	
01 22 23 00-1003	WK	4" x 20' HDPE Pipe With Couplings	12.00	
01 22 23 00-1004	MON	4" x 20' HDPE Pipe With Couplings	37.00	
01 22 23 00-1005	DAY	6" x 20' HDPE Pipe With Couplings	8.00	
01 22 23 00-1006	WK	6" x 20' HDPE Pipe With Couplings	20.00	
01 22 23 00-1007	MON	6" x 20' HDPE Pipe With Couplings	61.00	
01 22 23 00-1008	DAY	8" x 20' HDPE Pipe With Couplings	13.00	
01 22 23 00-1009	WK	8" x 20' HDPE Pipe With Couplings	34.00	
01 22 23 00-1010	MON	8" x 20' HDPE Pipe With Couplings	101.00	
01 22 23 00-1011	DAY	10" x 20' HDPE Pipe With Couplings	16.00	
01 22 23 00-1012	WK	10" x 20' HDPE Pipe With Couplings	41.00	
01 22 23 00-1013	MON	10" x 20' HDPE Pipe With Couplings	125.00	
01 22 23 00-1014	DAY	12" x 10' HDPE Pipe With Couplings	12.00	
01 22 23 00-1015	WK	12" x 10' HDPE Pipe With Couplings	33.00	
01 22 23 00-1016	MON	12" x 10' HDPE Pipe With Couplings	100.00	
01 22 23 00-1017	DAY	4" Elbow For HDPE Pipe, Quick Connect	12.00	
01 22 23 00-1018	WK	4" Elbow For HDPE Pipe, Quick Connect	31.00	
01 22 23 00-1019	MON	4" Elbow For HDPE Pipe, Quick Connect	92.00	
01 22 23 00-1020	DAY	6" Elbow For HDPE Pipe, Quick Connect	14.00	
01 22 23 00-1021	WK	6" Elbow For HDPE Pipe, Quick Connect	36.00	
01 22 23 00-1022	MON	6" Elbow For HDPE Pipe, Quick Connect	110.00	
01 22 23 00-1023	DAY	8" Elbow For HDPE Pipe, Quick Connect	16.00	
01 22 23 00-1024	WK	8" Elbow For HDPE Pipe, Quick Connect	41.00	
01 22 23 00-1025	MON	8" Elbow For HDPE Pipe, Quick Connect	125.00	
01 22 23 00-1026	DAY	10" Elbow For HDPE Pipe, Quick Connect	20.00	
01 22 23 00-1027	WK	10" Elbow For HDPE Pipe, Quick Connect	51.00	
01 22 23 00-1028	MON	10" Elbow For HDPE Pipe, Quick Connect	155.00	
01 22 23 00-1029	DAY	12" Elbow For HDPE Pipe, Quick Connect	20.00	
01 22 23 00-1030	WK	12" Elbow For HDPE Pipe, Quick Connect	51.00	
01 22 23 00-1031	MON	12" Elbow For HDPE Pipe, Quick Connect	155.00	
01 22 23 00-1032	DAY	4" Tee For HDPE Pipe, Quick Connect	12.00	
01 22 23 00-1033	WK	4" Tee For HDPE Pipe, Quick Connect	31.00	
01 22 23 00-1034	MON	4" Tee For HDPE Pipe, Quick Connect	92.00	
01 22 23 00-1035	DAY	6" Tee For HDPE Pipe, Quick Connect	16.00	
01 22 23 00-1036	WK	6" Tee For HDPE Pipe, Quick Connect	41.00	
01 22 23 00-1037	MON	6" Tee For HDPE Pipe, Quick Connect	125.00	
01 22 23 00-1038	DAY	8" Tee For HDPE Pipe, Quick Connect	20.00	
01 22 23 00-1039	WK	8" Tee For HDPE Pipe, Quick Connect	51.00	
01 22 23 00-1040	MON	8" Tee For HDPE Pipe, Quick Connect	155.00	
01 22 23 00-1041	DAY	10" Tee For HDPE Pipe, Quick Connect	24.00	
01 22 23 00-1042	WK	10" Tee For HDPE Pipe, Quick Connect	61.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1043	MON	10" Tee For HDPE Pipe, Quick Connect	185.00	
01 22 23 00-1044	DAY	12" Tee For HDPE Pipe, Quick Connect	24.00	
01 22 23 00-1045	WK	12" Tee For HDPE Pipe, Quick Connect	61.00	
01 22 23 00-1046	MON	12" Tee For HDPE Pipe, Quick Connect	185.00	
01 22 23 00-1047	DAY	4" Cap For HDPE Pipe, Quick Connect	2.00	
01 22 23 00-1048	WK	4" Cap For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1049	MON	4" Cap For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1050	DAY	6" Cap For HDPE Pipe, Quick Connect	2.00	
01 22 23 00-1051	WK	6" Cap For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1052	MON	6" Cap For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1053	DAY	8" Cap For HDPE Pipe, Quick Connect	2.00	
01 22 23 00-1054	WK	8" Cap For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1055	MON	8" Cap For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1056	DAY	10" Cap For HDPE Pipe, Quick Connect	2.00	
01 22 23 00-1057	WK	10" Cap For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1058	MON	10" Cap For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1059	DAY	12" Cap For HDPE Pipe, Quick Connect	2.00	
01 22 23 00-1060	WK	12" Cap For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1061	MON	12" Cap For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1062	DAY	4" Wye For HDPE Pipe, Quick Connect	6.00	
01 22 23 00-1063	WK	4" Wye For HDPE Pipe, Quick Connect	15.00	
01 22 23 00-1064	MON	4" Wye For HDPE Pipe, Quick Connect	46.00	
01 22 23 00-1065	DAY	6" Wye For HDPE Pipe, Quick Connect	7.00	
01 22 23 00-1066	WK	6" Wye For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1067	MON	6" Wye For HDPE Pipe, Quick Connect	55.00	
01 22 23 00-1068	DAY	8" Wye For HDPE Pipe, Quick Connect	12.00	
01 22 23 00-1069	WK	8" Wye For HDPE Pipe, Quick Connect	31.00	
01 22 23 00-1070	MON	8" Wye For HDPE Pipe, Quick Connect	92.00	
01 22 23 00-1071	DAY	10" Wye For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1072	WK	10" Wye For HDPE Pipe, Quick Connect	46.00	
01 22 23 00-1073	MON	10" Wye For HDPE Pipe, Quick Connect	140.00	
01 22 23 00-1074	DAY	12" Wye For HDPE Pipe, Quick Connect	18.00	
01 22 23 00-1075	WK	12" Wye For HDPE Pipe, Quick Connect	46.00	
01 22 23 00-1076	MON	12" Wye For HDPE Pipe, Quick Connect	140.00	

01 22 23 00-1077 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1078 Trucks *(01 22 23 00-1077)*

Note: Includes full-time driver, delivery, and removal.

01 22 23 00-1079 Flat Bed Trucks *(01 22 23 00-1078)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1080	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	787.26	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1081	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,425.70	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1082	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,761.54	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1083	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	880.10	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1084	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,663.60	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1085	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,370.81	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1086	DAY	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	946.72	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1087	WK	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,918.22	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1088	MO	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,339.84	
		For Equipment Without Operator, Deduct	*-12,339.95*	

01 22 23 00-1089 Light Duty Trucks *(01 22 23 00-1078)*

01 22 23 00-1090	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	791.02	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1091	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,579.64	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1092	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	13,841.76	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1093	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	831.98	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1094	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,702.52	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1095	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	14,114.82	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1096 Boom Trucks *(01 22 23 00-1078)*

01 22 23 00-1097	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	972.36	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1098	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	3,903.83	
		For Equipment Without Operator, Deduct	*-2,862.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1099	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	14,980.07	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1100 Rear Dump Trucks *(01 22 23 00-1078)*

01 22 23 00-1101	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	916.67	
		For Equipment Without Operator, Deduct	*-569.13*	
01 22 23 00-1102	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	3,763.61	
		For Equipment Without Operator, Deduct	*-2,845.65*	
01 22 23 00-1103	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	15,076.27	
		For Equipment Without Operator, Deduct	*-12,265.74*	
01 22 23 00-1104	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	1,035.33	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1105	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	4,137.80	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1106	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	15,645.33	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1107	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	1,101.43	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1108	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	4,279.46	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1109	MO	6 CY Rear Dump Truck With Full-Time Truck Driver	15,739.77	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1110	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver	1,885.29	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1111	WK	13 CY Rear Dump Truck With Full-Time Truck Driver	5,894.38	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1112	MO	13 CY Rear Dump Truck With Full-Time Truck Driver	20,272.89	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1113	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,016.56	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1114	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	6,197.54	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1115	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	21,066.19	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1116 Under-Bridge Inspection Trucks *(01 22 23 00-1078)*

01 22 23 00-1117	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,964.14
01 22 23 00-1118	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	8,759.02
01 22 23 00-1119	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	32,981.26
01 22 23 00-1120	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	2,229.57
01 22 23 00-1121	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	9,289.88
01 22 23 00-1122	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	35,109.09
01 22 23 00-1123	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	2,388.82
01 22 23 00-1124	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	10,086.15
01 22 23 00-1125	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	37,236.92
01 22 23 00-1126	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	3,078.93
01 22 23 00-1127	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	13,271.25
01 22 23 00-1128	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	47,876.03

01 22 23 00-1129 Vacuum Trucks *(01 22 23 00-1078)*

01 22 23 00-1130	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	982.38	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1131	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	4,084.26	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1132	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	15,947.87	
		For Equipment Without Operator, Deduct	*-12,339.93*	
01 22 23 00-1133	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,875.84	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1134	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,787.79	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1135	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	23,922.05	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1136 Water Trucks *(01 22 23 00-1078)*

See CSI section 01 22 23 00-1159 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1137	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,295.77	
		For Equipment Without Operator, Deduct	*-572.57*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1138	WK	2,000 Gallon Water Truck With Full-Time Driver	4,767.27	
		For Equipment Without Operator, Deduct	*-2,862.86*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1139	MO	2,000 Gallon Water Truck With Full-Time Driver	16,839.81	
		For Equipment Without Operator, Deduct	*-12,339.93*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1140	DAY	2,500 To 3,000 Gal Water Truck With Full-Time Operator	1,424.33	
		For Equipment Without Operator, Deduct	*-572.57*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1141	WK	2,500 To 3,000 Gal Water Truck With Full-Time Operator	5,659.21	
		For Equipment Without Operator, Deduct	*-2,862.86*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1142	MO	2,500 To 3,000 Gal Water Truck With Full-Time Operator	19,306.71	
		For Equipment Without Operator, Deduct	*-12,339.93*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1143	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,649.33	
		For Equipment Without Operator, Deduct	*-572.57*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1144	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	5,827.96	
		For Equipment Without Operator, Deduct	*-2,862.86*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1145	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	19,571.88	
		For Equipment Without Operator, Deduct	*-12,339.93*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	

01 22 23 00-1146 Asphalt Distribution Trucks *(01 22 23 00-1078)*

01 22 23 00-1147	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,567.12	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1148	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	5,833.74	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1149	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	21,122.59	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1150 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1078)*

01 22 23 00-1151	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion, Arrow Board With Full-Time Truck Driver	1,204.13	
		For Equipment Without Operator, Deduct	*-569.13*	
01 22 23 00-1152	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	4,117.65	
		For Equipment Without Operator, Deduct	*-2,845.65*	
01 22 23 00-1153	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	15,354.76	
		For Equipment Without Operator, Deduct	*-12,265.76*	

01 22 23 00-1154 Vacuum Sweeper Trucks For Bridge Decks *(01 22 23 00-1078)*

01 22 23 00-1155	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	1,875.84	
		For Equipment Without Operator, Deduct	*-572.57*	
01 22 23 00-1156	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	6,787.79	
		For Equipment Without Operator, Deduct	*-2,862.86*	
01 22 23 00-1157	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	23,922.05	
		For Equipment Without Operator, Deduct	*-12,339.93*	

01 22 23 00-1158 Trailers *(01 22 23 00-1077)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1159 Water Trailers With Pump *(01 22 23 00-1158)*

01 22 23 00-1160	DAY	500 To 600 Gallon Water Trailer With Pump	184.82
01 22 23 00-1161	WK	500 To 600 Gallon Water Trailer With Pump	474.09
01 22 23 00-1162	MO	500 To 600 Gallon Water Trailer With Pump	1,269.61

01 30 Administrative Requirements *(01)*

01 32 Construction Progress Documentation *(01 30)*

01 32 33 Photographic Documentation *(01 32)*

01 32 33 00-0001 Photography *(01 32 33)*

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002	EA	3-1/2" x 5" Color Print Photograph	1.62
01 32 33 00-0003	EA	4" x 6" Color Print Photograph	2.16
01 32 33 00-0004	EA	5" x 7" Color Print Photograph	4.39
01 32 33 00-0005	EA	8" x 10" Color Print Photograph	7.32

01 32 33 00-0006 Aerial Survey And Photography *(01 32 33)*

Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".

01 32 33 00-0007	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs	1,279.11	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
		For Color Prints Instead Of Black And White, Add	*383.73*	
01 32 33 00-0008	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,425.52	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
01 32 33 00-0009	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	963.19	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 40 Quality Requirements *(01)*

01 45 Quality Control *(01 40)*

01 45 23 Testing And Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	175.92	
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	249.70	
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	283.75	
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	227.00	
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	340.50	
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	680.79	
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	25.53	
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	89.44	
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	170.20	
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	212.75	
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	68.08	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	170.20	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	340.39	

01 45 23 00-0016 Soil Borings Laboratory Tests *(01 45 23 00-0001)*

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	78.13	
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test	24.93	
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	60.10	
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test	420.70	
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test	83.10	
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test	18.03	
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	11.20	
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test	144.61	
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	50.43	
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	9.97	
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test	498.64	
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	100.86	
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test	124.66	
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	290.67	
01 45 23 00-0031	EA	California Bearing Ratio, ASTM D1883	255.38	
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	74.80	
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test	63.28	
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	245.95	
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	38.23	

01 45 23 00-0036 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	56.75	
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	102.15	
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	141.88	
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	110.63	
01 45 23 00-0041	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	90.15	
01 45 23 00-0042	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	80.84	
01 45 23 00-0043	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	120.20	
01 45 23 00-0044	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	113.50	
01 45 23 00-0045	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	113.50	
01 45 23 00-0046	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	85.12	
01 45 23 00-0047	EA	Fine Aggregate Durability Index, CA 229	90.80	
01 45 23 00-0048	EA	Sodium And Magnesium Soundness, ASTM C88	238.28	
01 45 23 00-0049	EA	Los Angeles Rattler, ASTM C-131, CA 211	181.60	
01 45 23 00-0050	EA	Los Angeles Rattler, ASTM C-535	181.60	
01 45 23 00-0051	EA	Unit Weight Of Aggregates, ASTM C29	51.08	
01 45 23 00-0052	EA	Organic Impurities In Sand, ASTM C40	51.06	
01 45 23 00-0053	EA	Crushed Particle, ASTM California Test Method	51.06	
01 45 23 00-0054	EA	Clay Lump And Friable Particles, ASTM C142	102.12	

01 45 23 00-0055 Permeability Tests *(01 45 23 00-0001)*

01 45 23 00-0056 In-Place Tests *(01 45 23 00-0055)*

01 45 23 00-0057	EA	Double Ring Infiltrometer Test, ASTM D3385	901.50	
01 45 23 00-0058	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	42.55	

01 45 23 00-0059 Lab Tests *(01 45 23 00-0055)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0060	EA	Falling Head Rigid Wall Consolidometer Technique CAE	420.70	
01 45 23 00-0061	EA	Falling Head Permeability Test EPA-9100	420.70	
01 45 23 00-0062	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	240.40	
01 45 23 00-0063		Concrete/Cement/Asphalt Testing *(01 45 23)*		
01 45 23 00-0064		Concrete Testing *(01 45 23 00-0063)*		
01 45 23 00-0065	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	18.02	
01 45 23 00-0066	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	36.06	
01 45 23 00-0067	EA	Concrete Cores Compression Test, ASTM C-42	73.78	
01 45 23 00-0068	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	107.82	
01 45 23 00-0069	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	39.72	
01 45 23 00-0070	EA	Concrete Mix Design Review	215.65	
01 45 23 00-0071	EA	Trial Concrete Batch Prepared In Laboratory	510.75	
01 45 23 00-0072	EA	Concrete Shrinkage, ASTM C-157 Modified	397.25	
01 45 23 00-0073	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	61.29	
01 45 23 00-0074	EA	Concrete Slump Test, ASTM C143	28.38	
01 45 23 00-0075	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	28.38	
01 45 23 00-0076		Cement Testing *(01 45 23 00-0063)*		
01 45 23 00-0077	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	28.38	
01 45 23 00-0078	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	45.40	
01 45 23 00-0079		Asphaltic Concrete Testing *(01 45 23 00-0063)*		
01 45 23 00-0080	EA	Hveem Asphaltic Concrete Stability Test, CA 366	56.75	
01 45 23 00-0081	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	147.55	
01 45 23 00-0082	EA	Stability Tests, Premixed, ASTM D1559	56.75	
01 45 23 00-0083	EA	Stability Tests, Lab. Mixed, ASTM D1559	147.55	
01 45 23 00-0084	EA	Swell Test, CA 305 Note: Includes compaction.	68.10	
01 45 23 00-0085	EA	% Asphalt Extraction Test, ASTM D-2172 B	170.25	
01 45 23 00-0086	EA	Gradation On Extracted Sample, ASTM D-5444	113.50	
01 45 23 00-0087	EA	Maximum Theoretical Unit Weight, ASTM C2041	108.18	
01 45 23 00-0088	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	22.70	
01 45 23 00-0089	EA	Asphalt Unit Weight On Core Test, CA 308C	22.70	
01 45 23 00-0090	HR	Nuclear Field Density Testing, 4 Hour Minimum	116.90	
01 45 23 00-0091	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	76.59	
01 45 23 00-0092	EA	Penetration, ASTM D5	81.98	
01 45 23 00-0093		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0094		Masonry Testing *(01 45 23 00-0093)*		
01 45 23 00-0095	EA	2" x 4" Cylinder Mortar Compression Test	37.46	
01 45 23 00-0096	EA	4" x 4" x 8" Grout Prisms Compression Test	37.46	
01 45 23 00-0097	EA	Masonry Cores Compression Test	73.78	
01 45 23 00-0098	EA	Composite Grouted Prism Compression Test	141.88	
01 45 23 00-0099		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0093)*		
01 45 23 00-0100	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	90.80	
01 45 23 00-0101	EA	Absorption Test, Moisture Content And Unit Weight	62.42	
01 45 23 00-0102	EA	Moisture Condition By Relative Humidity, ASTM C427, First Unit	238.28	
01 45 23 00-0103	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	119.14	
01 45 23 00-0104		Metals Testing *(01 45 23)*		
01 45 23 00-0105		Tank Tightness Testing *(01 45 23 00-0104)*		
01 45 23 00-0106	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	6.41	
01 45 23 00-0107	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	5.49	
01 45 23 00-0108	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	1,648.17	
01 45 23 00-0109	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,013.78	
01 45 23 00-0110	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	2,564.63	
01 45 23 00-0111		Tank Line Tightness Testing *(01 45 23 00-0104)*		
01 45 23 00-0112	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	347.77	
01 45 23 00-0113	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	386.16	
01 45 23 00-0114	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	424.42	
01 45 23 00-0115		Other Testing *(01 45 23)*		
01 45 23 00-0116		Special Testing *(01 45 23 00-0115)*		
01 45 23 00-0117	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	87.98	
01 45 23 00-0118	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	527.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0119	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	26.54	
01 45 23 00-0120	EA	Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	110.02	
01 45 23 00-0121	EA	Testing For The Presence Of PCBs In Soil, Analysis Per Sample	110.02	
01 45 23 00-0122	EA	Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	110.02	
01 45 23 00-0123	EA	Testing For The Presence Of PCBs In Air, Analysis Per Sample	605.11	

01 45 23 00-0124 Nondestructive Field Testing Services *(01 45 23 00-0115)*

01 45 23 00-0125 Infrared Thermography *(01 45 23 00-0124)*

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0126 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0125)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0127	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0128	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.00	
		For Digital Or Analog Recording Of All Items, Add	*0.45*	
01 45 23 00-0129	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
		For Digital Or Analog Recording Of All Items, Add	*0.30*	

01 45 23 00-0130 Other Nondestructive Field Testing Services *(01 45 23 00-0124)*

01 45 23 00-0131	HR	ASNT Certified Level I NDT Consultant	69.90	
01 45 23 00-0132	HR	ASNT Certified Level II NDT Consultant	72.70	
01 45 23 00-0133	HR	ASNT Certified Level III NDT Consultant	89.60	
01 45 23 00-0134	HR	Certified Industrial Radiography Radiation Safety Personnel	89.60	

01 50 Temporary Facilities And Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices And Sheds *(01 52)*

01 52 13 00-0001 Field Offices *(01 52 13)*

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Office, With Toilet	170.54	
		For Each Delivery And Removal, Round Trip, Add	*939.13*	
		For Each Set-Up (Block And Level), Add	*163.42*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
		For Office Trailer Without Toilet, Deduct	*-34.11*	
01 52 13 00-0003	MO	8' x 32' Office, With Toilet	193.27	
		For Each Delivery And Removal, Round Trip, Add	*939.13*	
		For Each Set-Up (Block And Level), Add	*163.42*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
		For Office Trailer Without Toilet, Deduct	*-38.65*	
01 52 13 00-0004	MO	10' x 36' Office, With Toilet	261.49	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
		For Office Trailer Without Toilet, Deduct	*-52.30*	
01 52 13 00-0005	MO	10' x 40' Office, With Toilet	278.55	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
		For Office Trailer Without Toilet, Deduct	*-55.71*	
01 52 13 00-0006	MO	10' x 44' Office, With Toilet	306.97	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0007	MO	10' x 50' Office, With Toilet	324.02	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0008	MO	12' x 44' Office, With Toilet	346.37	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0009	MO	12' x 50' Office, With Toilet	380.86	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0010	MO	12' x 60' Office, With Toilet	414.98	
		For Each Delivery And Removal, Round Trip, Add	*1,556.98*	
		For Each Set-Up (Block And Level), Add	*266.63*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0011	MO	24' x 60' Office, With Toilet	909.52	
		For Each Delivery And Removal, Round Trip, Add	*2,965.68*	
		For Each Set-Up (Block And Level), Add	*430.05*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0012	MO	24' x 72' Office, With Toilet	1,091.43	
		For Each Delivery And Removal, Round Trip, Add	*2,965.68*	
		For Each Set-Up (Block And Level), Add	*430.05*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	
01 52 13 00-0013	MO	30' x 30' Office, With Toilet	518.72	
		For Each Delivery And Removal, Round Trip, Add	*2,965.68*	
		For Each Set-Up (Block And Level), Add	*430.05*	
		For Each Anchoring Into Dirt, Add	*93.33*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*140.00*	

01 52 13 00-0014 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0015	MO	Desk For Field Office Trailer	29.28
01 52 13 00-0016	MO	Rolling Desk Chair For Field Office Trailer	18.30
01 52 13 00-0017	MO	File Cabinet For Field Office Trailer	21.96
01 52 13 00-0018	MO	Table For Field Office Trailer	14.64
01 52 13 00-0019	MO	Folding Chair For Field Office Trailer	6.94
01 52 13 00-0020	EA	Phone Hook-Up For Field Office Trailer	80.52
01 52 13 00-0021	MO	Local Phone Service Per Phone Line For Field Office Trailer	51.24
01 52 13 00-0022	MO	Security System With Monitoring For Field Office Trailer	80.00
01 52 13 00-0023	LF	Perimeter Trailer Skirting For Field Office Trailer	26.44
01 52 13 00-0024	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	48.08
01 52 13 00-0025	MO	Steps For Field Office Trailer	25.00
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	36.60
01 52 13 00-0027	MO	Copier For Field Office Trailer	58.56

01 52 13 00-0028 Storage Containers *(01 52 13)*

01 52 13 00-0029	MO	8' x 8' x 10' Storage Container	82.50	
		For Delivery And Pick-up Of Container, Add	*167.39*	
		For >12 Months, Deduct	*-24.75*	
01 52 13 00-0030	MO	8' x 8' x 20' Storage Container	86.25	
		For Delivery And Pick-up Of Container, Add	*184.13*	
		For >12 Months, Deduct	*-25.88*	
01 52 13 00-0031	MO	8' x 8' x 40' Storage Container	102.00	
		For Delivery And Pick-up Of Container, Add	*370.83*	
		For >12 Months, Deduct	*-30.60*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes delivery, set-up, servicing once per week and removal.

01 52 19 00-0002	WK	Portable Toilets, Chemical	31.66	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Delivery, Add	*35.00*	
01 52 19 00-0003	MO	Portable Toilets, Chemical	94.99	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Delivery, Add	*35.00*	
01 52 19 00-0004	WK	ADA Portable Toilets, Chemical	37.77	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Delivery, Add	*35.00*	
01 52 19 00-0005	MO	ADA Portable Toilets, Chemical	110.82	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Delivery, Add	*35.00*	
01 52 19 00-0006	WK	Two Station Portable Handwash	28.06	
01 52 19 00-0007	MO	Two Station Portable Handwash	85.10	
01 52 19 00-0008	MO	Portable Toilets, Multi Trailer - 16'	2,569.75	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009	WK	Service Trailer Restrooms, 3 Times Per Week	1,926.38	

01 54 Construction Aids *(01 50)*

01 54 23 Temporary Scaffolding And Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height of 14'.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0002		**Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month)	20.84	
		For Up To 25, Add	*8.34*	
		For >25 To 50, Add	*5.21*	
		For >50 To 150, Add	*2.08*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month)	23.44	
		For Up To 25, Add	*9.38*	
		For >25 To 50, Add	*5.86*	
		For >50 To 150, Add	*2.34*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month)	31.26	
		For Up To 25, Add	*12.50*	
		For >25 To 50, Add	*7.82*	
		For >50 To 150, Add	*3.13*	
01 54 23 00-0006		**Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	41.98	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.49	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	62.98	
01 54 23 00-0010	CCF	>60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	69.28	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	79.78	
01 54 23 00-0012		**Rolling Scaffolding** *(01 54 23)* Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0013	DAY	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.15	
01 54 23 00-0014	WK	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	40.69	
01 54 23 00-0015	MO	Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	162.74	
01 54 23 00-0016	DAY	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.00	
01 54 23 00-0017	WK	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	68.08	
01 54 23 00-0018	MO	Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	272.36	
01 54 23 00-0019	EA	Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	85.03	
01 54 23 00-0020	EA	Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	106.29	
01 54 23 00-0021		**Temporary Lumber For Platforms, Scaffolding And Bracing** *(01 54 23)*		
01 54 23 00-0022	LF	2" x 4" Thick Temporary Lumber	0.99	1.16
01 54 23 00-0023	LF	2" x 6" Thick Temporary Lumber	1.48	1.16
01 54 23 00-0024	LF	2" x 8" Thick Temporary Lumber	1.96	1.16
01 54 23 00-0025	LF	2" x 10" Thick Temporary Lumber	2.47	1.16
01 54 23 00-0026	LF	2" x 12" Thick Temporary Lumber	2.95	1.16
01 54 23 00-0027	LF	3" x 8" Thick Temporary Lumber	2.95	1.16
01 54 23 00-0028	LF	3" x 10" Thick Temporary Lumber	3.70	1.16
01 54 23 00-0029	LF	3" x 12" Thick Temporary Lumber	4.43	1.16
01 54 23 00-0030	LF	4" x 4" Temporary Lumber	2.10	0.58
01 54 23 00-0031	LF	6" x 6" Temporary Lumber	3.85	0.87
01 54 23 00-0032	LF	6" x 8" Temporary Lumber	5.00	1.08
01 54 23 00-0033	LF	12" x 12" Temporary Lumber	11.95	1.73
01 54 23 00-0034	LF	2" x 4" Temporary Lumber	1.46	0.74
01 54 23 00-0035	LF	2" x 6" Temporary Lumber	1.77	0.79
01 54 23 00-0036	LF	2" x 8" Temporary Lumber	2.10	0.83
01 54 23 00-0037	LF	2" x 10" Temporary Lumber	2.97	1.30
01 54 23 00-0038	SF	5/16" CD Grade Plywood - Temporary Lumber	1.43	0.56
01 54 23 00-0039	SF	1/2" CD Grade Plywood - Temporary Lumber	1.72	0.56
01 54 23 00-0040	SF	5/8" CD Grade Plywood - Temporary Lumber	1.93	0.56
01 54 23 00-0041	SF	3/4" CD Grade Plywood - Temporary Lumber	2.19	0.56
01 54 23 00-0042	SF	1" CD Grade Plywood - Temporary Lumber	3.22	0.83
01 54 26		**Temporary Swing Staging** *(01 54)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001		**Swing Stage** *(01 54 26)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	1,539.12	
01 54 26 00-0003	MO	24' Swing Stage, Manually Operated	554.80	
01 54 26 00-0004	EA	Swing Stage Erection And Dismantling Note: Includes both erection and dismantling of swing stage.	396.41	
01 54 26 00-0005	EA	Move Swing Stage To Different Roof At Same Site	185.73	
01 54 26 00-0006	EA	Move Swing Stage To Different Location At Same Roof	85.73	
01 54 29		**Temporary Sidewalk Protection** *(01 54)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29 00-0001		Sidewalk Bridge *(01 54 29)*		
01 54 29 00-0002		Installation of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	71.38	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 54 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	3.43	
01 54 29 00-0005		Monthly Rental of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	5.49	
		For 3 Post System, Add	*0.82*	
01 54 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.17	
		For 3 Post System, Add	*0.93*	
01 54 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.86	
		For 3 Post System, Add	*1.03*	
01 54 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.86	
		For 3 Post System, Add	*1.03*	
01 54 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	7.54	
		For 3 Post System, Add	*1.13*	
01 54 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.92	
		For 3 Post System, Add	*1.34*	
01 54 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.23	
		For 3 Post System, Add	*1.23*	
01 54 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	9.60	
		For 3 Post System, Add	*1.44*	
01 54 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.29	
		For 3 Post System, Add	*1.54*	
01 54 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	1.03	
01 54 29 00-0016		Removal of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0017	LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	27.97	
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 54 29 00-0018	LF	Removal of Netting for Sidewalk Bridge	1.71	

01 55 Vehicular Access And Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001		Temporary Stabilized Construction Entrance *(01 55 23)* Note: As per Caltrans detail.		
01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	2.79	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.52	
01 55 23 00-0004		Rumble Trench Plate *(01 55 23)*		
01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	205.58	
01 55 23 00-0006	EA	Place And Remove Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	73.63	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	18.40	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26		**Traffic Control** *(01 55)*		
01 55 26 00-0001		Removable Preformed Traffic Black Line Mask *(01 55 26)*		
		Note: Includes installation and removal after use.		
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	4.14	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	5.06	
01 55 26 00-0004		Temporary Preformed Traffic Line Tape *(01 55 26)*		
		Note: Includes installation and removal after use.		
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	3.16	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	4.19	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	5.16	
01 55 26 00-0008		Temporary Painted Traffic Lines *(01 55 26)*		
		Note: Includes installation and removal after use.		
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	2.91	
		For Not Removed, Deduct	*-2.41*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	3.89	
		For Not Removed, Deduct	*-3.28*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	4.88	
		For Not Removed, Deduct	*-4.16*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.21	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.22	
01 55 26 00-0014		Pedestrian Traffic Control *(01 55 26)*		
01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.59	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.43	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.46	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.41	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	10.64	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	15.57	
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape)	13.28	
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape)	19.53	
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape)	25.64	
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape)	30.07	
01 55 26 00-0025		Traffic Protection *(01 55 26)*		
01 55 26 00-0026		Portable Traffic Control Device Usage *(01 55 26 00-0025)*		
		Note: Excludes placing and removing devices.		
01 55 26 00-0027	DAY	28" Cone With Reflective Collar	0.44	
01 55 26 00-0028	WK	28" Cone With Reflective Collar	1.32	
01 55 26 00-0029	MO	28" Cone With Reflective Collar	3.97	
01 55 26 00-0030	DAY	Vertical Panel	1.33	
01 55 26 00-0031	WK	Vertical Panel	4.00	
01 55 26 00-0032	MO	Vertical Panel	12.00	
01 55 26 00-0033	DAY	Channelizer Drum	1.45	
01 55 26 00-0034	WK	Channelizer Drum	4.34	
01 55 26 00-0035	MO	Channelizer Drum	13.03	
01 55 26 00-0036	DAY	Stackable Channelizer Panel	0.68	
01 55 26 00-0037	WK	Stackable Channelizer Panel	2.05	
01 55 26 00-0038	MO	Stackable Channelizer Panel	6.16	
01 55 26 00-0039	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	0.95	
01 55 26 00-0040	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	2.84	
01 55 26 00-0041	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	8.53	
01 55 26 00-0042	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.10	
01 55 26 00-0043	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.30	
01 55 26 00-0044	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	18.91	
01 55 26 00-0045	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.39	
01 55 26 00-0046	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	7.18	
01 55 26 00-0047	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	21.55	
01 55 26 00-0048	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.38	
01 55 26 00-0049	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	13.14	
01 55 26 00-0050	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	39.41	
01 55 26 00-0051	DAY	Up To 10' Wide A Frame Barricade	2.40	
01 55 26 00-0052	WK	Up To 10' Wide A Frame Barricade	7.21	
01 55 26 00-0053	MO	Up To 10' Wide A Frame Barricade	21.62	
01 55 26 00-0054	DAY	Type A Or C Flasher	0.49	
01 55 26 00-0055	WK	Type A Or C Flasher	1.47	
01 55 26 00-0056	MO	Type A Or C Flasher	4.41	
01 55 26 00-0057	DAY	Type B Flasher (High Intensity)	2.66	
01 55 26 00-0058	WK	Type B Flasher (High Intensity)	7.97	
01 55 26 00-0059	MO	Type B Flasher (High Intensity)	23.90	
01 55 26 00-0060		Traffic Barriers Usage *(01 55 26 00-0025)*		
		Note: Excludes placing and removing devices.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0061	DAY	6' Long Portable Parking Curbs	1.14	
01 55 26 00-0062	WK	6' Long Portable Parking Curbs	3.43	
01 55 26 00-0063	MO	6' Long Portable Parking Curbs	10.29	
01 55 26 00-0064	DAY	6' Long Portable Speed Bumps	3.38	
01 55 26 00-0065	WK	6' Long Portable Speed Bumps	10.15	
01 55 26 00-0066	MO	6' Long Portable Speed Bumps	30.46	
01 55 26 00-0067	DAY	Up To 12.5' Concrete Traffic Barrier	8.13	
01 55 26 00-0068	WK	Up To 12.5' Concrete Traffic Barrier	24.40	
01 55 26 00-0069	MO	Up To 12.5' Concrete Traffic Barrier	73.19	
01 55 26 00-0070	DAY	>12.5' To 20' Concrete Traffic Barrier	16.26	
01 55 26 00-0071	WK	>12.5' To 20' Concrete Traffic Barrier	48.79	
01 55 26 00-0072	MO	>12.5' To 20' Concrete Traffic Barrier	146.37	
01 55 26 00-0073	DAY	6' x 32" Tall Plastic Water Barrier	9.71	
01 55 26 00-0074	WK	6' x 32" Tall Plastic Water Barrier	29.13	
01 55 26 00-0075	MO	6' x 32" Tall Plastic Water Barrier	87.40	
01 55 26 00-0076	DAY	6' x 46" Tall Plastic Water Barrier	13.87	
01 55 26 00-0077	WK	6' x 46" Tall Plastic Water Barrier	41.60	
01 55 26 00-0078	MO	6' x 46" Tall Plastic Water Barrier	124.80	
01 55 26 00-0079	DAY	Sand Filled Crash Attenuator Barrels	5.43	
01 55 26 00-0080	WK	Sand Filled Crash Attenuator Barrels	16.28	
01 55 26 00-0081	MO	Sand Filled Crash Attenuator Barrels	48.85	

01 55 26 00-0082 Portable Signs And Message Displays Usage *(01 55 26 00-0025)*

Note: Excludes placing and removing devices.

01 55 26 00-0083	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.26	
01 55 26 00-0084	WK	Mesh Or Vinyl Roll-up Sign With Stand	12.78	
01 55 26 00-0085	MO	Mesh Or Vinyl Roll-up Sign With Stand	38.35	
01 55 26 00-0086	DAY	Aluminum Sign And Post	2.39	
01 55 26 00-0087	WK	Aluminum Sign And Post	7.16	
01 55 26 00-0088	MO	Aluminum Sign And Post	21.47	
01 55 26 00-0089	DAY	Aluminum Sign And A Frame Stand	3.22	
01 55 26 00-0090	WK	Aluminum Sign And A Frame Stand	9.67	
01 55 26 00-0091	MO	Aluminum Sign And A Frame Stand	29.00	
01 55 26 00-0092	DAY	Trailer Mounted Flashing Arrow Board	41.01	
01 55 26 00-0093	WK	Trailer Mounted Flashing Arrow Board	123.03	
01 55 26 00-0094	MO	Trailer Mounted Flashing Arrow Board	369.09	
01 55 26 00-0095	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	122.01	
01 55 26 00-0096	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	366.03	
01 55 26 00-0097	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,098.09	
01 55 26 00-0098	DAY	Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	725.55	
01 55 26 00-0099	WK	Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	2,176.65	
01 55 26 00-0100	MO	Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	6,529.95	

01 55 26 00-0101 Place And Remove Traffic Protection Using Truck *(01 55 26 00-0025)*

Note: Includes delivery and return up to 15 miles.

01 55 26 00-0102	EA	Place And Remove Up To 250 Cones Using Truck	3.62	
01 55 26 00-0103	EA	Place And Remove >250 Cones Using Truck	2.90	
01 55 26 00-0104	EA	Place And Remove Up To 250 Panels/Channelizers Using Truck	4.83	
01 55 26 00-0105	EA	Place And Remove >250 Panels/Channelizers Using Truck	3.87	
01 55 26 00-0106	EA	Place And Remove Up To 250 Barricades Using Truck	7.25	
01 55 26 00-0107	EA	Place And Remove >250 Barricades Using Truck	5.80	
01 55 26 00-0108	EA	Place And Remove Curbs/Speed Bumps Using Truck	7.25	
01 55 26 00-0109	EA	Place And Remove Portable Sign And Stand Using Truck	4.35	
01 55 26 00-0110	EA	Place And Remove Aluminum Sign And Post Using Truck	18.13	
01 55 26 00-0111	EA	Place And Remove Trailer Mounted Boards And Signals Using Truck	54.38	
01 55 26 00-0112	EA	Place And Remove Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	73.63	
		For 1 Barrier, Add	*184.08*	
		For 2 Barriers, Add	*66.27*	
		For 3 Barriers, Add	*22.09*	
01 55 26 00-0113	EA	Place And Remove >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	110.44	
		For 1 Barrier, Add	*276.10*	
		For 2 Barriers, Add	*99.40*	
		For 3 Barriers, Add	*33.13*	
01 55 26 00-0114	EA	Place And Remove Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	38.36	
		For 1 Barrier, Add	*92.03*	
		For 2 Barriers, Add	*33.13*	
		For 3 Barriers, Add	*11.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0115	EA	Place And Remove Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	55.21	
		For 1 Barrier, Add	*138.03*	
		For 2 Barriers, Add	*49.69*	
		For 3 Barriers, Add	*16.56*	

01 55 26 00-0116 Place And Remove Traffic Protection From Roadside (Daily) *(01 55 26 00-0025)*

01 55 26 00-0117	EA	Place And Remove Up To 250 Cones By Hand From Roadside	1.82
01 55 26 00-0118	EA	Place And Remove >250 Cones By Hand From Roadside	1.45
01 55 26 00-0119	EA	Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.42
01 55 26 00-0120	EA	Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.92
01 55 26 00-0121	EA	Place And Remove Up To 250 Barricades By Hand From Roadside	3.62
01 55 26 00-0122	EA	Place And Remove >250 Barricades By Hand From Roadside	2.90
01 55 26 00-0123	EA	Place And Remove Portable Sign And Stand From Roadside	2.16
01 55 26 00-0124	EA	Place And Remove Trailer Mounted Boards And Signals From Roadside	27.19
01 55 26 00-0125	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	36.81	

01 56 Temporary Barriers And Enclosures *(01 50)*

Note: Includes removal after use.

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	3.15
		For >100 To 250, Deduct	*-0.16*
		For >250 To 500, Deduct	*-0.32*
		For >500, Deduct	*-0.47*
		For Shade Cloth, Add	*1.60*
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	3.56
		For >100 To 250, Deduct	*-0.18*
		For >250 To 500, Deduct	*-0.36*
		For >500, Deduct	*-0.53*
		For Shade Cloth, Add	*2.55*
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	6.01
		For >100 To 250, Deduct	*-0.30*
		For >250 To 500, Deduct	*-0.60*
		For >500, Deduct	*-0.90*
		For Shade Cloth, Add	*3.60*
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	17.88
		For >100 To 250, Deduct	*-0.89*
		For >250 To 500, Deduct	*-1.79*
		For >500, Deduct	*-2.68*
		For Shade Cloth, Add	*4.75*

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	3.48
		For >100 To 250, Deduct	*-0.17*
		For >250 To 500, Deduct	*-0.35*
		For >500, Deduct	*-0.52*
		For Shade Cloth, Add	*1.60*
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	3.91
		For >100 To 250, Deduct	*-0.20*
		For >250 To 500, Deduct	*-0.39*
		For >500, Deduct	*-0.59*
		For Shade Cloth, Add	*2.55*
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	6.61
		For >100 To 250, Deduct	*-0.33*
		For >250 To 500, Deduct	*-0.66*
		For >500, Deduct	*-0.99*
		For Shade Cloth, Add	*3.60*
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	19.66
		For >100 To 250, Deduct	*-0.98*
		For >250 To 500, Deduct	*-1.97*
		For >500, Deduct	*-2.95*
		For Shade Cloth, Add	*4.75*

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.83
		For >100 To 250, Deduct	*-0.19*
		For >250 To 500, Deduct	*-0.38*
		For >500, Deduct	*-0.57*
		For Shade Cloth, Add	*1.60*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	4.31	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	7.28	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.09*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	21.63	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.24*	
		For Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	4.21	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	4.72	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	7.99	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.20*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	23.78	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.57*	
		For Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	200.98	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	312.64	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	357.30	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	401.96	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	491.28	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	535.97	
		For Shade Cloth, Add	*90.04*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	210.12	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	326.84	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	373.53	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	420.25	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.62	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	560.31	
		For Shade Cloth, Add	*143.50*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	231.13	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	359.54	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	410.90	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	462.26	
		For Shade Cloth, Add	*126.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	564.99	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	616.35	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0046		10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*		
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	288.91	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	449.42	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.62	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	577.83	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	706.23	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	770.43	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0053		Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*		
01 56 26 00-0054		4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	211.03	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	328.27	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.17	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	422.06	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	515.84	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	562.76	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0061		6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.63	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	343.19	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	392.21	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.26	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	588.33	
		For Shade Cloth, Add	*143.50*	
01 56 26 00-0068		8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	242.69	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	377.51	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	431.44	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	485.37	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	593.23	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	647.16	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0075		10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.36	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	471.89	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	606.72	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.54	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	808.96	
		For Shade Cloth, Add	*267.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0082		Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*		
01 56 26 00-0083		4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	221.58	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	344.69	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	393.93	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	443.16	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	541.64	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	590.90	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0090		6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	231.66	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	360.35	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	411.82	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	463.32	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.74	
		For Shade Cloth, Add	*143.50*	
01 56 26 00-0097		8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	254.82	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	396.39	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	453.02	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	509.64	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	622.90	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	679.52	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0104		10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	318.53	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.49	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	637.05	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	778.62	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	849.40	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	232.13	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	361.10	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	412.68	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	464.27	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	567.43	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	619.04	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
		For Shade Cloth, Add	*23.92*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0121		EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
			For Shade Cloth, Add	*59.79*	
01 56 26 00-0122		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
			For Shade Cloth, Add	*71.75*	
01 56 26 00-0123		EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
			For Shade Cloth, Add	*89.69*	
01 56 26 00-0124		EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
			For Shade Cloth, Add	*119.58*	
01 56 26 00-0125		EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
			For Shade Cloth, Add	*143.50*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127		EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
			For Shade Cloth, Add	*33.77*	
01 56 26 00-0128		EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
			For Shade Cloth, Add	*84.41*	
01 56 26 00-0129		EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
			For Shade Cloth, Add	*101.30*	
01 56 26 00-0130		EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
			For Shade Cloth, Add	*126.62*	
01 56 26 00-0131		EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
			For Shade Cloth, Add	*168.83*	
01 56 26 00-0132		EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
			For Shade Cloth, Add	*202.59*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134		EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
			For Shade Cloth, Add	*44.55*	
01 56 26 00-0135		EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
			For Shade Cloth, Add	*111.38*	
01 56 26 00-0136		EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
			For Shade Cloth, Add	*133.65*	
01 56 26 00-0137		EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
			For Shade Cloth, Add	*167.07*	
01 56 26 00-0138		EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
			For Shade Cloth, Add	*222.76*	
01 56 26 00-0139		EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
			For Shade Cloth, Add	*267.31*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142		LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	3.78	
			For >100 To 250, Deduct	*-0.19*	
			For >250 To 500, Deduct	*-0.38*	
			For >500, Deduct	*-0.57*	
			For Shade Cloth, Add	*1.60*	
01 56 26 00-0143		LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	4.23	
			For >100 To 250, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.42*	
			For >500, Deduct	*-0.63*	
			For Shade Cloth, Add	*2.55*	
01 56 26 00-0144		LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	6.82	
			For >100 To 250, Deduct	*-0.34*	
			For >250 To 500, Deduct	*-0.68*	
			For >500, Deduct	*-1.02*	
			For Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146		LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
			For >100 To 250, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.41*	
			For >500, Deduct	*-0.62*	
			For Shade Cloth, Add	*1.60*	
01 56 26 00-0147		LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.58	
			For >100 To 250, Deduct	*-0.23*	
			For >250 To 500, Deduct	*-0.46*	
			For >500, Deduct	*-0.69*	
			For Shade Cloth, Add	*2.55*	
01 56 26 00-0148		LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.42	
			For >100 To 250, Deduct	*-0.37*	
			For >250 To 500, Deduct	*-0.74*	
			For >500, Deduct	*-1.11*	
			For Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.42	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.99	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.09	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.21*	
		For Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	4.83	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	5.39	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	8.79	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.32*	
		For Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	5.70	

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	2.72	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	4.08	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	5.90	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	7.26	

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.68	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.81	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.92	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	88.44	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	102.04	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	125.86	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	136.06	

01 56 26 00-0174 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.40	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Walkways And Railings *(01 56 29)*

01 56 29 00-0002	LF	Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway Note: Excludes walkway.	25.85	
01 56 29 00-0003	SF	Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.78	
01 56 29 00-0004	RSR	Temporary Stairs On 2 x 12 Stringers (Cost Per Riser)	17.13	

01 56 29 00-0005 Safety Nets *(01 56 29)*

01 56 29 00-0006	SF	Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.37	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		Temporary Fiberglass Panels *(01 56 33)*		
01 56 33 00-0002	SF	Prefabricated Fiberglass Panels	1.50	
01 56 33 00-0003		Temporary Safety Guardrail *(01 56 33)* Note: Includes removal after use.		
01 56 33 00-0004	LF	42" High, Wood Temporary Safety Guardrail Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots.	26.09	
		For Attachment To A Concrete Substrate, Add	*1.13*	
01 56 33 00-0005		Board-up Opening With Plywood *(01 56 33)* Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006	OPN	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	10.20	
01 56 33 00-0007	SF	Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	6.23	
01 56 33 00-0008	SF	Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	7.21	
01 56 33 00-0009		Street Barricade *(01 56 33)*		
01 56 33 00-0010	LF	Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month	8.31	
01 56 39		**Temporary Tree And Plant Protection** *(01 56)*		
01 56 39 00-0001		Temporary Tree Guards *(01 56 39)* Note: Includes digging holes and removal.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	134.41	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	155.75	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	168.48	
01 57		**Temporary Controls** *(01 50)*		
01 57 13		**Temporary Erosion And Sediment Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23		**Temporary Storm Water Pollution Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001		Temporary Drain Guard *(01 57 23)* Note: Includes removal after use.		
01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	64.69	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	63.63	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	78.53	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	77.46	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	93.42	
01 58		**Project Identification** *(01 50)* Note: Includes removal after use.		
01 58 13		**Temporary Project Signage** *(01 58)*		
01 58 13 00-0001		Project Sign *(01 58 13)*		
01 58 13 00-0002		MDO Plywood Signs *(01 58 13 00-0001)* Note: Excludes posts.		
01 58 13 00-0003		Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0004		Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	101.12	18.71
		For High-Intensity Grade, Add	*22.30*	
		For Diamond Grade, Add	*43.00*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	166.52	19.56
		For High-Intensity Grade, Add	*44.59*	
		For Diamond Grade, Add	*85.99*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	231.91	20.42
		For High-Intensity Grade, Add	*66.88*	
		For Diamond Grade, Add	*128.99*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	297.32	21.26
		For High-Intensity Grade, Add	*89.18*	
		For Diamond Grade, Add	*171.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	9.32	0.68
		For High-Intensity Grade, Add	*2.79*	
		For Diamond Grade, Add	*5.37*	
01 58 13 00-0010		Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	123.84	18.71
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	146.18	19.56
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	180.76	20.42
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	213.46	21.26
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	6.70	0.68
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	126.27	18.71
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	159.29	19.56
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	194.09	20.42
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	224.89	21.26
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	7.06	0.68
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)*		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	11.85	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	9.58	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	11.06	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	68.04	

01 60 Product Requirements *(01)*

01 66 Product Storage And Handling Requirements *(01 60)*

01 66 19 Material Handling *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001		Material Handling Between Floors *(01 66 19)*		
01 66 19 00-0002	CY	Moving Material Via Stairs, Per CY Of Material Per Floor Note: Quantity equals material volume times number of floors traveled.	7.48	
01 66 19 00-0003	CY	Moving Material Via Elevator, Per CY Of Material Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	4.49	
01 66 19 00-0004		Moving Furniture *(01 66 19)* Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.		
01 66 19 00-0005	SF	Removal, Transport, Return And Reinstallation Of Office Furniture Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.	0.85	
01 66 19 00-0006		Material Handling For Distances Greater Than 125' *(01 66 19)*		
01 66 19 00-0007	CY	Handling Material For Over 125' Per CY Of Material Per 125' Note: For delivery, demolition or miscellaneous moving required by owner.	3.54	
01 66 19 00-0008		Rubbish Handling Between Floors *(01 66 19)* Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.		
01 66 19 00-0009	CY	Rubbish Handling Via Stairs, Per CY Of Material Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	6.80	
01 66 19 00-0010	CY	Rubbish Handling Via Elevator, Per CY Of Material Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.	4.08	

01 70 Execution And Closeout Requirements *(01)*

01 71 Examination And Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Excludes flagman for traffic control where necessary. See CSI section 01 22 23 00-0772 for cranes.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.	201.32	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	402.63	
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	260.40	
		For >30 To 60 Miles Radius, Add	*65.10*	
		For >60 To 100 Miles Radius, Add	*104.16*	
01 71 13 00-0006	EA	20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	374.98	
		For >30 To 60 Miles Radius, Add	*93.75*	
		For >60 To 100 Miles Radius, Add	*149.99*	
01 71 13 00-0007	EA	40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	499.97	
		For >30 To 60 Miles Radius, Add	*124.99*	
		For >60 To 100 Miles Radius, Add	*199.99*	
01 71 13 00-0008	EA	70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	812.45	
		For >30 To 60 Miles Radius, Add	*203.11*	
		For >60 To 100 Miles Radius, Add	*324.98*	
01 71 13 00-0009	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	641.63	
		For >30 To 60 Miles Radius, Add	*160.41*	
		For >60 To 100 Miles Radius, Add	*256.65*	
01 71 13 00-0010	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	1,041.60	
		For >30 To 60 Miles Radius, Add	*260.40*	
		For >60 To 100 Miles Radius, Add	*416.64*	
01 71 13 00-0011	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	1,291.58	
		For >30 To 60 Miles Radius, Add	*322.90*	
		For >60 To 100 Miles Radius, Add	*516.63*	
01 71 13 00-0012	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	1,604.06	
		For >30 To 60 Miles Radius, Add	*401.02*	
		For >60 To 100 Miles Radius, Add	*641.62*	
01 71 13 00-0013	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	2,916.48	
		For >30 To 60 Miles Radius, Add	*729.12*	
		For >60 To 100 Miles Radius, Add	*1,166.59*	
01 71 13 00-0014	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	4,166.40	
		For >30 To 60 Miles Radius, Add	*1,041.60*	
		For >60 To 100 Miles Radius, Add	*1,666.56*	
01 71 13 00-0015	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery and pickup.	6,249.60	
		For >30 To 60 Miles Radius, Add	*1,562.40*	
		For >60 To 100 Miles Radius, Add	*2,499.84*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001		Conventional Topographic Survey *(01 71 23 16)* Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR	Survey Clear Area With Few To No Obstacles	842.91	
01 71 23 16-0003	ACR	Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,439.28	
01 71 23 16-0004	ACR	Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings)	3,495.90	
01 71 23 16-0005	ACR	Survey Developed Areas With Several Structures (25-65% Buildings)	5,312.36	
01 71 23 16-0006	ACR	Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	6,671.86	
01 71 23 16-0007		Property Lines Survey *(01 71 23 16)* Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.04	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	2.36	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	2.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0011		Survey Monument *(01 71 23 16)*		
01 71 23 16-0012	EA	3' Precast Survey Monument	126.90	
		For Owner Furnished Monument, Deduct	*-57.55*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	176.42	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	88.23	
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	57.55	
01 71 23 16-0016		Facade Surveying *(01 71 23 16)*		
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	5.60	
01 71 23 16-0018		Utility Survey *(01 71 23 16)* Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	4,624.21	
01 71 36		**Non-Destructive Concrete Examination *(01 71)***		
01 71 36 00-0001		X-Ray And Electromagnetic Survey *(01 71 36)* Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002		X-Ray Or Electromagnetic Survey Minimum Set-Up Charge *(01 71 36 00-0001)*		
01 71 36 00-0003	EA	X-Ray Or Electromagnetic Survey Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	740.23	
01 71 36 00-0004		X-Ray Survey *(01 71 36 00-0001)*		
01 71 36 00-0005	EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	141.88	
		For >8 To 25, Deduct	*-31.25*	
01 71 36 00-0006		Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*		
01 71 36 00-0007	EA	Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt	283.75	
01 71 36 00-0008	EA	Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	567.50	
01 71 36 00-0009	SF	Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.14	
01 74		**Cleaning And Waste Management *(01 70)***		
01 74 13		**Progress Cleaning *(01 74)*** Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001		General *(01 74 13)*		
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	17.02	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	19.94	
01 74 16		**Site Maintenance *(01 74)***		
01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance *(01 74 16)* Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	15.99	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	19.20	
01 74 16 00-0005		Runway Sweeping *(01 74 16 00-0001)*		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	23.99	
01 74 19		**Construction Waste Management And Disposal *(01 74)*** Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001		Debris Chutes *(01 74 19)* Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		Steel Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	26.41	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	39.26	
01 74 19 00-0005		Plastic Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	10.43	
		For Steel Liner, Add	*1.96*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0007		LF	30" Diameter, Plastic Temporary Debris Chute	11.95	
			For Steel Liner, Add	*2.25*	
01 74 19 00-0008		LF	36" Diameter, Plastic Temporary Debris Chute	13.46	
			For Steel Liner, Add	*2.54*	

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010		LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	19.58	

01 74 19 00-0011 Construction Dumpsters Rental *(01 74 19)*

Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0012		EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	443.22	
			For Each Ton Over Indicated Amount, Add	*145.00*	
01 74 19 00-0013		EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	640.00	
			For Each Ton Over Indicated Amount, Add	*145.00*	
01 74 19 00-0014		EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	661.20	
			For Each Ton Over Indicated Amount, Add	*145.00*	
01 74 19 00-0015		EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	636.99	
			For Each Ton Over Indicated Amount, Add	*145.00*	
01 74 19 00-0016		EA	40 CY Dumpster (5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	879.20	
			For Each Ton Over Indicated Amount, Add	*145.00*	
01 74 19 00-0017		EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	879.20	
01 74 19 00-0018		EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	1,009.82	
01 74 19 00-0019		EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	1,085.18	

01 74 19 00-0020 Concrete Washout Service *(01 74 19)*

01 74 19 00-0021		MO	Rampless Concrete Washout Bin Note: Includes delivery.	569.02	
01 74 19 00-0022		MO	Ramped Concrete Washout Bin Note: Includes delivery.	682.82	
01 74 19 00-0023		EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	318.51	
01 74 19 00-0024		EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	690.10	

01 74 19 00-0025 Debris Processing Fee *(01 74 19)*

01 74 19 00-0026 Recycler Fees *(01 74 19 00-0025)*

Note: Does not apply with use of dumpsters. Excludes hauling.

01 74 19 00-0027		CY	Drop-Off Asphalt At Recycling Center	18.76	
01 74 19 00-0028		CY	Drop-Off Concrete At Recycling Center	9.38	

01 74 19 00-0029 Landfill Dump Fees *(01 74 19 00-0025)*

Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0049 for hauling.

01 74 19 00-0030		CY	Traditional Building Construction Materials Landfill Dump Fee	12.48	
01 74 19 00-0031		CY	Trees, Stumps And Brush, Landfill Dump Fee	15.03	
01 74 19 00-0032		CY	Rubbish Landfill Dump Fee	12.25	
01 74 19 00-0033		CY	Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	35.83	
01 74 19 00-0034		CY	Excavated Dirt Landfill Dump Fee	12.02	
01 74 19 00-0035		CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	25.46	
01 74 19 00-0036		TON	Traditional Building Construction Materials, Landfill Dump Fee	54.40	
01 74 19 00-0037		CY	Non Reinforced Concrete And/Or Rock, 2" Minus	4.20	
01 74 19 00-0038		CY	Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1"	5.85	
01 74 19 00-0039		CY	Reinforced Concrete not trimmed, 2" Minus	10.40	
01 74 19 00-0040		CY	Mixed Asphalt And Concrete, Sized And Trimmed	3.96	
01 74 19 00-0041		CY	Asphalt Or Asphalt And Dirt, Sized To 2" Minus	5.85	
01 74 19 00-0042		CY	Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus	12.50	
01 74 19 00-0043		CY	Clean Dirt (No Grass, Weeds, Roots, Plants, Trash)	26.40	
01 74 19 00-0044		CY	Clay Loads, Expansive Materials	33.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0045	CY	Clean Asphalt, Sized 2" Minus, No Dirt	4.72	
01 74 19 00-0046	TON	General Refuse	39.61	
01 74 19 00-0047	TON	Hard-To-Handle Refuse	66.01	
01 74 19 00-0048	EA	Tires	12.10	

01 74 19 00-0049 Hauling *(01 74 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.

01 74 19 00-0050	CYM	Hauling On Paved Roads, First 15 Miles	0.70	
01 74 19 00-0051	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.47	
01 74 19 00-0052	CYM	Hauling On Unimproved Roads, First 15 Miles	1.06	
01 74 19 00-0053	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	0.83	

01 74 23 Final Cleaning *(01 74)*

01 74 23 00-0001 Glass *(01 74 23)*

01 74 23 00-0002	CSF	Clean Existing Glass Surfaces	22.33	

END OF SECTION 01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling And Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	879.62

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	21.71

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	43.19
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	60.48

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	64.11
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	5.64

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	82.59
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	6.49

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	50.50
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	58.92
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	78.57

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	151.19
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	272.13

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	27.82
02 32 13 00-0024	EA	Penetration Test	22.67

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	5.27

02 40 Demolition And Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0001		By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.19	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,500, Deduct	*-0.93*	
		For >2,500 To 5,000, Deduct	*-1.35*	
		For >5,000 To 10,000, Deduct	*-1.76*	
		For >10,000, Deduct	*-2.18*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	7.78	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,500, Deduct	*-1.40*	
		For >2,500 To 5,000, Deduct	*-2.02*	
		For >5,000 To 10,000, Deduct	*-2.65*	
		For >10,000, Deduct	*-3.27*	
02 41 13 13-0004	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.22	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,500, Deduct	*-1.66*	
		For >2,500 To 5,000, Deduct	*-2.40*	
		For >5,000 To 10,000, Deduct	*-3.13*	
		For >10,000, Deduct	*-3.87*	
02 41 13 13-0005	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	13.02	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,500, Deduct	*-2.34*	
		For >2,500 To 5,000, Deduct	*-3.39*	
		For >5,000 To 10,000, Deduct	*-4.43*	
		For >10,000, Deduct	*-5.47*	
02 41 13 13-0006	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	18.45	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,500, Deduct	*-3.32*	
		For >2,500 To 5,000, Deduct	*-4.80*	
		For >5,000 To 10,000, Deduct	*-6.27*	
		For >10,000, Deduct	*-7.75*	
02 41 13 13-0007	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	26.04	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,500, Deduct	*-4.69*	
		For >2,500 To 5,000, Deduct	*-6.77*	
		For >5,000 To 10,000, Deduct	*-8.85*	
		For >10,000, Deduct	*-10.94*	
02 41 13 13-0008	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	34.06	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000 To 2,500, Deduct	*-6.13*	
		For >2,500 To 5,000, Deduct	*-8.86*	
		For >5,000 To 10,000, Deduct	*-11.58*	
		For >10,000, Deduct	*-14.31*	
02 41 13 13-0009	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	44.27	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000 To 2,500, Deduct	*-7.97*	
		For >2,500 To 5,000, Deduct	*-11.51*	
		For >5,000 To 10,000, Deduct	*-15.05*	
		For >10,000, Deduct	*-18.59*	
02 41 13 13-0010		By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0031 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0011	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.32	
02 41 13 13-0012	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.68	
02 41 13 13-0013	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.23	
02 41 13 13-0014	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.66	
02 41 13 13-0015	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.11	
02 41 13 13-0016	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.78	
02 41 13 13-0017		By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0018	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	10.30	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*3.09*	
		For Elevated Slab, Add	*5.15*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,500, Deduct	*-1.85*	
		For >2,500 To 5,000, Deduct	*-2.68*	
		For >5,000 To 10,000, Deduct	*-3.50*	
		For >10,000, Deduct	*-4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	14.06	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*4.22*	
		For Elevated Slab, Add	*7.03*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,500, Deduct	*-2.53*	
		For >2,500 To 5,000, Deduct	*-3.66*	
		For >5,000 To 10,000, Deduct	*-4.78*	
		For >10,000, Deduct	*-5.91*	
02 41 13 13-0020	SY	Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving	11.85	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*3.56*	
		For Elevated Slab, Add	*5.93*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,500, Deduct	*-2.13*	
		For >2,500 To 5,000, Deduct	*-3.08*	
		For >5,000 To 10,000, Deduct	*-4.03*	
		For >10,000, Deduct	*-4.98*	
02 41 13 13-0021	SY	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving	15.49	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*4.65*	
		For Elevated Slab, Add	*7.75*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,500, Deduct	*-2.79*	
		For >2,500 To 5,000, Deduct	*-4.03*	
		For >5,000 To 10,000, Deduct	*-5.27*	
		For >10,000, Deduct	*-6.51*	
02 41 13 13-0022	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	15.72	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*4.72*	
		For Elevated Slab, Add	*7.86*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000 To 2,500, Deduct	*-2.83*	
		For >2,500 To 5,000, Deduct	*-4.09*	
		For >5,000 To 10,000, Deduct	*-5.34*	
		For >10,000, Deduct	*-6.60*	
02 41 13 13-0023	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	20.36	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*6.11*	
		For Elevated Slab, Add	*10.18*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000 To 2,500, Deduct	*-3.66*	
		For >2,500 To 5,000, Deduct	*-5.29*	
		For >5,000 To 10,000, Deduct	*-6.92*	
		For >10,000, Deduct	*-8.55*	
02 41 13 13-0024	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	33.75	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*10.13*	
		For Elevated Slab, Add	*16.88*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,500, Deduct	*-6.08*	
		For >2,500 To 5,000, Deduct	*-8.78*	
		For >5,000 To 10,000, Deduct	*-11.48*	
		For >10,000, Deduct	*-14.18*	
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	17.05	
		For Elevated Slab, Add	*8.53*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000 To 2,500, Deduct	*-3.07*	
		For >2,500 To 5,000, Deduct	*-4.43*	
		For >5,000 To 10,000, Deduct	*-5.80*	
		For >10,000, Deduct	*-7.16*	
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	21.92	
		For Elevated Slab, Add	*10.96*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000 To 2,500, Deduct	*-3.95*	
		For >2,500 To 5,000, Deduct	*-5.70*	
		For >5,000 To 10,000, Deduct	*-7.45*	
		For >10,000, Deduct	*-9.21*	
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	39.17	
		For Elevated Slab, Add	*19.59*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000 To 2,500, Deduct	*-7.05*	
		For >2,500 To 5,000, Deduct	*-10.18*	
		For >5,000 To 10,000, Deduct	*-13.32*	
		For >10,000, Deduct	*-16.45*	
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	51.13	
		For Elevated Slab, Add	*25.57*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000 To 2,500, Deduct	*-9.20*	
		For >2,500 To 5,000, Deduct	*-13.29*	
		For >5,000 To 10,000, Deduct	*-17.38*	
		For >10,000, Deduct	*-21.47*	
02 41 13 13-0029	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	66.84	
		For Elevated Slab, Add	*33.42*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000 To 2,500, Deduct	*-12.03*	
		For >2,500 To 5,000, Deduct	*-17.38*	
		For >5,000 To 10,000, Deduct	*-22.73*	
		For >10,000, Deduct	*-28.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0030	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		81.12
		For Elevated Slab, Add		*40.56*
		For >500 To 1,000, Deduct		*-8.11*
		For >1,000 To 2,500, Deduct		*-14.60*
		For >2,500 To 5,000, Deduct		*-21.09*
		For >5,000 To 10,000, Deduct		*-27.58*
		For >10,000, Deduct		*-34.07*
02 41 13 13-0031		By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0032	SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving		5.06
02 41 13 13-0033	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		3.70
02 41 13 13-0034	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		5.11
02 41 13 13-0035	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving		6.54
02 41 13 13-0036		Grind Concrete *(02 41 13 13)*		
02 41 13 13-0037	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.		179.91
		For >1/2" To 1" Depth Of Grinding, Add		*26.99*
		For >1" To 1-1/2" Depth Of Grinding, Add		*44.98*
		For Up To 5, Add		*35.98*
		For >5 To 10, Add		*17.99*
		For >25 To 50, Deduct		*-17.99*
		For >50 To 250, Deduct		*-26.99*
		For >250, Deduct		*-35.98*
		For Sidewalks >5', Add		*17.99*
		For Up To 12" Additional Feathering Per Side, Add		*17.99*
02 41 13 13-0038		Repair Uneven Sidewalks *(02 41 13 13)*		
		Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: ½" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 +0)/2=1/4 inch average. Calculation for length would be: 1/4 inch aveage X 4 feet = 1 inch foot.		
02 41 13 13-0039	IF	Up To 2000 Inch Feet Repair Uneven Sidewalks		61.83
02 41 13 13-0040	IF	2000 To 3000 Inch Feet Repair Uneven Sidewalks		58.66
02 41 13 13-0041	IF	3000 And Up Inch Feet Repair Uneven Sidewalks		55.49

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001		Exterior Masonry Removal *(02 41 19 13)*		
02 41 19 13-0002		Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*		
02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal		11.40
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal		17.81
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal		22.81
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal		28.56
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal		35.08
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		19.70
02 41 19 13-0009		Masonry Chimney Removal *(02 41 19 13-0001)*		
02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		23.11
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		17.35
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		13.27
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		9.20
02 41 19 13-0014		Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*		
		Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		15.69
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		23.54
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		45.10
02 41 19 13-0018		Facade Removal *(02 41 19 13-0001)*		
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal		4.34
		For Cleaning and Storage For Reuse, Add		*3.26*
		For Reinforcing, Add		*0.65*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0020		**Exterior Masonry Removal** *(02 41 19 13-0001)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0021	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	3.82	
02 41 19 13-0022	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.30	
02 41 19 13-0023	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	5.21	
02 41 19 13-0024	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	5.69	
02 41 19 13-0025	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	6.24	
02 41 19 13-0026	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	7.82	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	4.51	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	5.17	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	6.24	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	6.83	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	7.49	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	9.37	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	3.82	
		For Cleaning and Storage For Reuse, Add	*2.87*	
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	4.30	
		For Cleaning and Storage For Reuse, Add	*3.23*	
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	5.21	
		For Cleaning and Storage For Reuse, Add	*3.91*	
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	5.69	
		For Cleaning and Storage For Reuse, Add	*4.27*	
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	6.24	
		For Cleaning and Storage For Reuse, Add	*4.68*	
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	7.82	
		For Cleaning and Storage For Reuse, Add	*5.87*	
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	11.10	
		For Cleaning and Storage For Reuse, Add	*8.33*	
		For Reinforcing, Add	*1.67*	
02 41 19 13-0040		**Exterior Concrete Wall Removal** *(02 41 19 13)*		
02 41 19 13-0041	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	5.01	
02 41 19 13-0042	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	9.08	
02 41 19 13-0043	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	11.42	
02 41 19 13-0044	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	13.46	
02 41 19 13-0045	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	15.92	
02 41 19 13-0046		**Saw Cutting** *(02 41 19 13)* Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0047	LF	Saw Cut Bituminous Paving Up To 4" Depth	1.87	
		For Each Additional Pass (Depth To 3"), Add	*0.70*	
		For >250, Deduct	*-0.17*	
02 41 19 13-0048	LF	Saw Cut Brick Masonry Up To 4" Depth	6.49	
		For Each Additional Pass (Depth To 3"), Add	*2.53*	
		For >250, Deduct	*-0.63*	
02 41 19 13-0049	LF	Saw Cut Concrete Block Up To 4" Depth	5.90	
		For Each Additional Pass (Depth To 3"), Add	*2.29*	
		For >250, Deduct	*-0.57*	
02 41 19 13-0050	LF	Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth	2.19	
		For Each Additional Pass (Depth To 3"), Add	*0.80*	
		For >250, Deduct	*-0.20*	
02 41 19 13-0051	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.85	
		For Each Additional Pass (Depth To 3"), Add	*1.05*	
		For >250, Deduct	*-0.26*	
02 41 19 13-0052	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.53	
		For Each Additional Pass (Depth To 3"), Add	*1.72*	
		For >250, Deduct	*-0.42*	
02 41 19 13-0053	LF	Saw Cut Plain Concrete Walls Up To 4" Depth	8.28	
		For Each Additional Pass (Depth To 3"), Add	*3.24*	
		For >250, Deduct	*-0.80*	
02 41 19 13-0054	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	11.11	
		For Each Additional Pass (Depth To 3"), Add	*4.35*	
		For >250, Deduct	*-1.08*	
02 41 19 13-0055	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	2.03	
		For Each Additional Pass (Depth To 3"), Add	*0.75*	
		For >250, Deduct	*-0.18*	
02 41 19 13-0056	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth	5.94	
		For Each Additional Pass (Depth To 3"), Add	*2.30*	
		For >250, Deduct	*-0.57*	
02 41 19 13-0057	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth	5.94	
		For Each Additional Pass (Depth To 3"), Add	*2.30*	
		For >250, Deduct	*-0.57*	
02 41 19 13-0058	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth	5.94	
		For Each Additional Pass (Depth To 3"), Add	*2.30*	
		For >250, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059	LF	Saw Cut Terrazzo Stone Pavements Up To 4" Depth	5.94	
		For Each Additional Pass (Depth To 3"), Add	*2.30*	
		For >250, Deduct	*-0.57*	
02 41 19 13-0060	EA	Saw Cut Minimum Set-up Charge, One Per Project	716.42	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0061		**Torch Cutting** *(02 41 19 13)*		
		Note: Includes grinding edge		
02 41 19 13-0062	LF	Up To 1/2", Torch Cut Steel Plate	2.27	
02 41 19 13-0063	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	4.55	
02 41 19 13-0064	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	6.81	
02 41 19 13-0065	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	9.09	
02 41 19 13-0066	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	11.37	
02 41 19 13-0067	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	13.65	
02 41 19 13-0068	EA	Torch Cutting Minimum Charge	685.32	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0069		**Drilling** *(02 41 19 13)*		
		Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0070		**Concrete Core Drilling** *(02 41 19 13-0069)*		
02 41 19 13-0071		**Up To 4" Thick Concrete Core Drilling** *(02 41 19 13-0070)*		
02 41 19 13-0072	EA	Drill 1" Diameter Core In Up To 4" Concrete	33.99	
		For Horizontal Cores, Add	*6.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.08*	
02 41 19 13-0073	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	37.33	
		For Horizontal Cores, Add	*6.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.42*	
02 41 19 13-0074	EA	Drill 2" Diameter Core In Up To 4" Concrete	41.07	
		For Horizontal Cores, Add	*7.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.91*	
02 41 19 13-0075	EA	Drill 3" Diameter Core In Up To 4" Concrete	58.33	
		For Horizontal Cores, Add	*10.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.30*	
02 41 19 13-0076	EA	Drill 4" Diameter Core In Up To 4" Concrete	78.21	
		For Horizontal Cores, Add	*14.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.54*	
02 41 19 13-0077	EA	Drill 6" Diameter Core In Up To 4" Concrete	88.51	
		For Horizontal Cores, Add	*15.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.95*	
02 41 19 13-0078	EA	Drill 8" Diameter Core In Up To 4" Concrete	139.64	
		For Horizontal Cores, Add	*25.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.13*	
02 41 19 13-0079	EA	Drill 10" Diameter Core In Up To 4" Concrete	175.90	
		For Horizontal Cores, Add	*31.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.90*	
02 41 19 13-0080	EA	Drill 12" Diameter Core In Up To 4" Concrete	205.73	
		For Horizontal Cores, Add	*37.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.56*	
02 41 19 13-0081	EA	Drill 14" Diameter Core In Up To 4" Concrete	236.02	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	
02 41 19 13-0082	EA	Drill 18" Diameter Core In Up To 4" Concrete	269.18	
		For Horizontal Cores, Add	*47.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.85*	
02 41 19 13-0083		**>4" To 6" Thick Concrete Core Drilling** *(02 41 19 13-0070)*		
02 41 19 13-0084	EA	Drill 1" Diameter Core In >4" To 6" Concrete	48.93	
		For Horizontal Cores, Add	*8.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.25*	
02 41 19 13-0085	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	53.72	
		For Horizontal Cores, Add	*9.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.17*	
02 41 19 13-0086	EA	Drill 2" Diameter Core In >4" To 6" Concrete	59.04	
		For Horizontal Cores, Add	*10.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.30*	
02 41 19 13-0087	EA	Drill 3" Diameter Core In >4" To 6" Concrete	71.87	
		For Horizontal Cores, Add	*12.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.56*	
02 41 19 13-0088	EA	Drill 4" Diameter Core In >4" To 6" Concrete	90.41	
		For Horizontal Cores, Add	*15.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.95*	
02 41 19 13-0089	EA	Drill 6" Diameter Core In >4" To 6" Concrete	119.61	
		For Horizontal Cores, Add	*21.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.60*	
02 41 19 13-0090	EA	Drill 8" Diameter Core In >4" To 6" Concrete	177.65	
		For Horizontal Cores, Add	*31.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.90*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0091	EA	Drill 10" Diameter Core In >4" To 6" Concrete	210.53	
		For Horizontal Cores, Add	*37.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*74.56*	
02 41 19 13-0092	EA	Drill 12" Diameter Core In >4" To 6" Concrete	241.93	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	
02 41 19 13-0093	EA	Drill 14" Diameter Core In >4" To 6" Concrete	274.77	
		For Horizontal Cores, Add	*47.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.85*	
02 41 19 13-0094	EA	Drill 18" Diameter Core In >4" To 6" Concrete	311.79	
		For Horizontal Cores, Add	*53.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.50*	

02 41 19 13-0095 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0070)*

02 41 19 13-0096	EA	Drill 1" Diameter Core In >6" To 8" Concrete	55.33	
		For Horizontal Cores, Add	*9.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.98*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	60.60	
		For Horizontal Cores, Add	*10.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.09*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In >6" To 8" Concrete	66.46	
		For Horizontal Cores, Add	*11.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.43*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In >6" To 8" Concrete	80.06	
		For Horizontal Cores, Add	*13.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.69*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In >6" To 8" Concrete	104.72	
		For Horizontal Cores, Add	*18.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.21*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In >6" To 8" Concrete	145.39	
		For Horizontal Cores, Add	*25.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.13*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In >6" To 8" Concrete	236.98	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In >6" To 8" Concrete	271.73	
		For Horizontal Cores, Add	*47.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.85*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In >6" To 8" Concrete	304.76	
		For Horizontal Cores, Add	*53.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.50*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In >6" To 8" Concrete	340.13	
		For Horizontal Cores, Add	*58.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*117.14*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In >6" To 8" Concrete	381.04	
		For Horizontal Cores, Add	*63.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.81*	

02 41 19 13-0107 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0070)*

02 41 19 13-0108	EA	Drill 1" Diameter Core In >8" To 10" Concrete	66.03	
		For Horizontal Cores, Add	*11.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.43*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	72.26	
		For Horizontal Cores, Add	*12.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.92*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >8" To 10" Concrete	79.18	
		For Horizontal Cores, Add	*13.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.69*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >8" To 10" Concrete	93.59	
		For Horizontal Cores, Add	*15.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.95*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >8" To 10" Concrete	108.40	
		For Horizontal Cores, Add	*18.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.21*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >8" To 10" Concrete	149.87	
		For Horizontal Cores, Add	*25.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.13*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >8" To 10" Concrete	243.05	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >8" To 10" Concrete	279.72	
		For Horizontal Cores, Add	*47.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.85*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >8" To 10" Concrete	314.30	
		For Horizontal Cores, Add	*53.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.48*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >8" To 10" Concrete	352.27	
		For Horizontal Cores, Add	*58.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*117.14*	
02 41 19 13-0118	EA	Drill 18" Diameter Core In >8" To 10" Concrete	396.94	
		For Horizontal Cores, Add	*63.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0119		**>10" To 12" Thick Concrete Core Drilling** *(02 41 19 13-0070)*		
02 41 19 13-0120	EA	Drill 1" Diameter Core In >10" To 12" Concrete	72.42	
		For Horizontal Cores, Add	*12.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.16*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	79.13	
		For Horizontal Cores, Add	*13.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.84*	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >10" To 12" Concrete	86.59	
		For Horizontal Cores, Add	*14.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.82*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >10" To 12" Concrete	96.46	
		For Horizontal Cores, Add	*15.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.95*	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >10" To 12" Concrete	128.06	
		For Horizontal Cores, Add	*21.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.60*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >10" To 12" Concrete	164.99	
		For Horizontal Cores, Add	*27.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*55.39*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >10" To 12" Concrete	259.77	
		For Horizontal Cores, Add	*44.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.46*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >10" To 12" Concrete	287.71	
		For Horizontal Cores, Add	*47.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.85*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >10" To 12" Concrete	334.62	
		For Horizontal Cores, Add	*55.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*110.78*	
02 41 19 13-0129		**>12" Thick Concrete Core Drilling** *(02 41 19 13-0070)*		
02 41 19 13-0130	IN	Drill 1" Diameter Core In >12" Concrete	8.39	
		For Horizontal Cores, Add	*1.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.96*	
02 41 19 13-0131	IN	Drill 1-1/2" Diameter Core In >12" Concrete	9.20	
		For Horizontal Cores, Add	*1.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.28*	
02 41 19 13-0132	IN	Drill 2" Diameter Core In >12" Concrete	10.11	
		For Horizontal Cores, Add	*1.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.64*	
02 41 19 13-0133	IN	Drill 3" Diameter Core In >12" Concrete	11.36	
		For Horizontal Cores, Add	*2.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.99*	
02 41 19 13-0134	IN	Drill 4" Diameter Core In >12" Concrete	15.11	
		For Horizontal Cores, Add	*2.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.32*	
02 41 19 13-0135	IN	Drill 6" Diameter Core In >12" Concrete	19.52	
		For Horizontal Cores, Add	*3.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.92*	
02 41 19 13-0136	IN	Drill 8" Diameter Core In >12" Concrete	30.99	
		For Horizontal Cores, Add	*5.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.19*	
02 41 19 13-0137	IN	Drill 10" Diameter Core In >12" Concrete	34.09	
		For Horizontal Cores, Add	*6.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.03*	
02 41 19 13-0138	IN	Drill 12" Diameter Core In >12" Concrete	39.45	
		For Horizontal Cores, Add	*6.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.86*	
02 41 19 13-0139		**Brick/Concrete Block Core Drilling** *(02 41 19 13-0069)*		
02 41 19 13-0140		**Up To 4" Thick Brick/Concrete Block Core Drilling** *(02 41 19 13-0139)*		
02 41 19 13-0141	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	27.95	
		For Horizontal Cores, Add	*4.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.66*	
02 41 19 13-0142	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	30.62	
		For Horizontal Cores, Add	*5.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.73*	
02 41 19 13-0143	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	33.61	
		For Horizontal Cores, Add	*5.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.93*	
02 41 19 13-0144	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	47.68	
		For Horizontal Cores, Add	*8.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.04*	
02 41 19 13-0145	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	63.94	
		For Horizontal Cores, Add	*11.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.84*	
02 41 19 13-0146	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	72.54	
		For Horizontal Cores, Add	*12.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0147	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	114.07	
		For Horizontal Cores, Add	*20.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.90*	
02 41 19 13-0148	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	143.95	
		For Horizontal Cores, Add	*25.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.12*	
02 41 19 13-0149	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	168.45	
		For Horizontal Cores, Add	*29.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*59.65*	
02 41 19 13-0150	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	193.41	
		For Horizontal Cores, Add	*34.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*68.16*	
02 41 19 13-0151	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	221.25	
		For Horizontal Cores, Add	*38.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.68*	

02 41 19 13-0152 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0153	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	40.31	
		For Horizontal Cores, Add	*6.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.80*	
02 41 19 13-0154	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	44.13	
		For Horizontal Cores, Add	*7.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.33*	
02 41 19 13-0155	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	48.39	
		For Horizontal Cores, Add	*8.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.04*	
02 41 19 13-0156	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	59.09	
		For Horizontal Cores, Add	*10.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.45*	
02 41 19 13-0157	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	74.44	
		For Horizontal Cores, Add	*12.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.56*	
02 41 19 13-0158	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	98.30	
		For Horizontal Cores, Add	*17.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.08*	
02 41 19 13-0159	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	145.70	
		For Horizontal Cores, Add	*25.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.12*	
02 41 19 13-0160	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	173.25	
		For Horizontal Cores, Add	*29.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*59.65*	
02 41 19 13-0161	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	199.32	
		For Horizontal Cores, Add	*34.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*68.16*	
02 41 19 13-0162	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	226.84	
		For Horizontal Cores, Add	*38.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.68*	
02 41 19 13-0163	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	258.54	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	

02 41 19 13-0164 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0165	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	45.84	
		For Horizontal Cores, Add	*7.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.18*	
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	50.06	
		For Horizontal Cores, Add	*8.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.87*	
02 41 19 13-0167	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	54.75	
		For Horizontal Cores, Add	*9.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.75*	
02 41 19 13-0168	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	66.21	
		For Horizontal Cores, Add	*11.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.15*	
02 41 19 13-0169	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	86.62	
		For Horizontal Cores, Add	*14.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.97*	
02 41 19 13-0170	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	119.82	
		For Horizontal Cores, Add	*20.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.90*	
02 41 19 13-0171	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	194.37	
		For Horizontal Cores, Add	*34.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*68.16*	
02 41 19 13-0172	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	223.80	
		For Horizontal Cores, Add	*38.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.68*	
02 41 19 13-0173	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	251.51	
		For Horizontal Cores, Add	*42.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.20*	
02 41 19 13-0174	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	281.56	
		For Horizontal Cores, Add	*46.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0175	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	317.13	
		For Horizontal Cores, Add	*51.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.25*	

02 41 19 13-0176 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0177	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	54.81	
		For Horizontal Cores, Add	*8.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.94*	
02 41 19 13-0178	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	59.80	
		For Horizontal Cores, Add	*9.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.94*	
02 41 19 13-0179	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	65.33	
		For Horizontal Cores, Add	*11.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.15*	
02 41 19 13-0180	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	77.62	
		For Horizontal Cores, Add	*12.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.56*	
02 41 19 13-0181	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	90.30	
		For Horizontal Cores, Add	*14.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.97*	
02 41 19 13-0182	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	124.30	
		For Horizontal Cores, Add	*20.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.90*	
02 41 19 13-0183	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	200.44	
		For Horizontal Cores, Add	*34.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*68.16*	
02 41 19 13-0184	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	231.79	
		For Horizontal Cores, Add	*38.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.68*	
02 41 19 13-0185	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	261.06	
		For Horizontal Cores, Add	*42.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*85.19*	
02 41 19 13-0186	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	293.70	
		For Horizontal Cores, Add	*46.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.71*	
02 41 19 13-0187	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	333.05	
		For Horizontal Cores, Add	*51.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.22*	

02 41 19 13-0188 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0189	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	60.35	
		For Horizontal Cores, Add	*9.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.33*	
02 41 19 13-0190	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	65.71	
		For Horizontal Cores, Add	*10.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.47*	
02 41 19 13-0191	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	71.68	
		For Horizontal Cores, Add	*11.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.86*	
02 41 19 13-0192	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	80.49	
		For Horizontal Cores, Add	*12.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.56*	
02 41 19 13-0193	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	106.75	
		For Horizontal Cores, Add	*17.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.08*	
02 41 19 13-0194	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	137.30	
		For Horizontal Cores, Add	*22.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.31*	
02 41 19 13-0195	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	215.04	
		For Horizontal Cores, Add	*35.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.57*	
02 41 19 13-0196	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	239.78	
		For Horizontal Cores, Add	*38.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.68*	
02 41 19 13-0197	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	279.23	
		For Horizontal Cores, Add	*44.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.62*	

02 41 19 13-0198 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0139)*

02 41 19 13-0199	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	6.91	
		For Horizontal Cores, Add	*1.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.36*	
02 41 19 13-0200	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	7.56	
		For Horizontal Cores, Add	*1.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.62*	
02 41 19 13-0201	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	8.29	
		For Horizontal Cores, Add	*1.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.92*	
02 41 19 13-0202	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	9.37	
		For Horizontal Cores, Add	*1.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0203	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	12.44	
		For Horizontal Cores, Add	*2.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.26*	
02 41 19 13-0204	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	16.07	
		For Horizontal Cores, Add	*2.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.54*	
02 41 19 13-0205	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	25.39	
		For Horizontal Cores, Add	*4.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.95*	
02 41 19 13-0206	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	28.08	
		For Horizontal Cores, Add	*4.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.63*	
02 41 19 13-0207	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	32.52	
		For Horizontal Cores, Add	*5.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.08*	

02 41 19 13-0208 Asphalt Core Drilling *(02 41 19 13-0069)*

02 41 19 13-0209 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0208)*

02 41 19 13-0210	EA	Drill 1" Diameter Core In Up To 2" Asphalt	15.31
02 41 19 13-0211	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	19.19
02 41 19 13-0212	EA	Drill 2" Diameter Core In Up To 2" Asphalt	23.99
02 41 19 13-0213	EA	Drill 3" Diameter Core In Up To 2" Asphalt	29.85
02 41 19 13-0214	EA	Drill 4" Diameter Core In Up To 2" Asphalt	37.63
02 41 19 13-0215	EA	Drill 6" Diameter Core In Up To 2" Asphalt	47.31
02 41 19 13-0216	EA	Drill 8" Diameter Core In Up To 2" Asphalt	59.19
02 41 19 13-0217	EA	Drill 10" Diameter Core In Up To 2" Asphalt	73.42
02 41 19 13-0218	EA	Drill 12" Diameter Core In Up To 2" Asphalt	91.55

02 41 19 13-0219 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0208)*

02 41 19 13-0220	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	19.11
02 41 19 13-0221	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	24.82
02 41 19 13-0222	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	30.53
02 41 19 13-0223	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	38.30
02 41 19 13-0224	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	47.98
02 41 19 13-0225	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	60.47
02 41 19 13-0226	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	75.24
02 41 19 13-0227	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	94.14
02 41 19 13-0228	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	117.00

02 41 19 13-0229 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0208)*

02 41 19 13-0230	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	24.90
02 41 19 13-0231	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	31.68
02 41 19 13-0232	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	39.30
02 41 19 13-0233	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	49.05
02 41 19 13-0234	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	61.78
02 41 19 13-0235	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	77.23
02 41 19 13-0236	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	97.06
02 41 19 13-0237	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	120.77
02 41 19 13-0238	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	150.40

02 41 19 13-0239 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0208)*

02 41 19 13-0240	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	32.81
02 41 19 13-0241	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	40.68
02 41 19 13-0242	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	50.28
02 41 19 13-0243	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	64.14
02 41 19 13-0244	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	80.01
02 41 19 13-0245	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	99.52
02 41 19 13-0246	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	125.62
02 41 19 13-0247	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	156.15
02 41 19 13-0248	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	194.71

02 41 19 13-0249 Manhole Core Drilling *(02 41 19 13-0069)*

02 41 19 13-0250	EA	Drill 4" Diameter Core In 6" Brick Manhole	166.87
02 41 19 13-0251	EA	Drill 5" Diameter Core In 6" Brick Manhole	190.58
02 41 19 13-0252	EA	Drill 6" Diameter Core In 6" Brick Manhole	221.80
02 41 19 13-0253	EA	Drill 8" Diameter Core In 6" Brick Manhole	331.51
02 41 19 13-0254	EA	Drill 2" Diameter Core In 8" Concrete Manhole	222.08
02 41 19 13-0255	EA	Drill 3" Diameter Core In 8" Concrete Manhole	238.71
02 41 19 13-0256	EA	Drill 4" Diameter Core In 8" Concrete Manhole	264.86
02 41 19 13-0257	EA	Drill 5" Diameter Core In 8" Concrete Manhole	284.79
02 41 19 13-0258	EA	Drill 6" Diameter Core In 8" Concrete Manhole	336.60
02 41 19 13-0259	EA	Drill 8" Diameter Core In 8" Concrete Manhole	479.72
02 41 19 13-0260	EA	Drill 2" Diameter Core In Fiberglass Manhole	21.50
02 41 19 13-0261	EA	Drill 3" Diameter Core In Fiberglass Manhole	24.86
02 41 19 13-0262	EA	Drill 4" Diameter Core In Fiberglass Manhole	27.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0263	EA	Drill 5" Diameter Core In Fiberglass Manhole	29.45	
02 41 19 13-0264	EA	Drill 6" Diameter Core In Fiberglass Manhole	32.42	
02 41 19 13-0265	EA	Drill 8" Diameter Core In Fiberglass Manhole	36.06	
02 41 19 13-0266		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0069)*		
		Note: Includes layout.		
02 41 19 13-0267	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.81	
02 41 19 13-0268	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.89	
02 41 19 13-0269	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.02	
02 41 19 13-0270	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.16	
02 41 19 13-0271	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.37	
02 41 19 13-0272	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.57	
02 41 19 13-0273	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	2.71	
02 41 19 13-0274	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.00	
02 41 19 13-0275	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.38	
02 41 19 13-0276		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0069)*		
		Note: Includes layout.		
02 41 19 13-0277	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.51	
02 41 19 13-0278	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.59	
02 41 19 13-0279	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.71	
02 41 19 13-0280	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.82	
02 41 19 13-0281	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.98	
02 41 19 13-0282	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.16	
02 41 19 13-0283	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.28	
02 41 19 13-0284	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.51	
02 41 19 13-0285	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.84	
02 41 19 13-0286		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0069)*		
		Note: Includes layout.		
02 41 19 13-0287	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.74	
02 41 19 13-0288	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.78	
02 41 19 13-0289	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.83	
02 41 19 13-0290	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.89	
02 41 19 13-0291	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.97	
02 41 19 13-0292	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.05	
02 41 19 13-0293	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.10	
02 41 19 13-0294	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.22	
02 41 19 13-0295	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.39	
02 41 19 13-0296		Limestone Core Drilling *(02 41 19 13-0069)*		
02 41 19 13-0297		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0296)*		
02 41 19 13-0298	EA	Drill 1" Diameter Core In 10" To 14" Limestone	50.54	
02 41 19 13-0299	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	61.16	
02 41 19 13-0300	EA	Drill 2" Diameter Core In 10" To 14" Limestone	67.20	
02 41 19 13-0301	EA	Drill 3" Diameter Core In 10" To 14" Limestone	79.34	
02 41 19 13-0302	EA	Drill 4" Diameter Core In 10" To 14" Limestone	91.77	
02 41 19 13-0303	EA	Drill 6" Diameter Core In 10" To 14" Limestone	127.02	
02 41 19 13-0304	EA	Drill 8" Diameter Core In 10" To 14" Limestone	206.33	
02 41 19 13-0305		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0296)*		
02 41 19 13-0306	EA	Drill 1" Diameter Core In 15" To 18" Limestone	56.11	
02 41 19 13-0307	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	67.05	
02 41 19 13-0308	EA	Drill 2" Diameter Core In 15" To 18" Limestone	73.43	
02 41 19 13-0309	EA	Drill 3" Diameter Core In 15" To 18" Limestone	81.64	
02 41 19 13-0310	EA	Drill 4" Diameter Core In 15" To 18" Limestone	108.39	
02 41 19 13-0311	EA	Drill 6" Diameter Core In 15" To 18" Limestone	139.70	
02 41 19 13-0312	EA	Drill 8" Diameter Core In 15" To 18" Limestone	220.39	
02 41 19 13-0313		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0296)*		
02 41 19 13-0314	EA	Drill 1" Diameter Core In 19" To 24" Limestone	61.57	
02 41 19 13-0315	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	72.78	
02 41 19 13-0316	EA	Drill 2" Diameter Core In 19" To 24" Limestone	79.44	
02 41 19 13-0317	EA	Drill 3" Diameter Core In 19" To 24" Limestone	92.73	
02 41 19 13-0318	EA	Drill 4" Diameter Core In 19" To 24" Limestone	129.21	
02 41 19 13-0319	EA	Drill 6" Diameter Core In 19" To 24" Limestone	161.12	
02 41 19 13-0320	EA	Drill 8" Diameter Core In 19" To 24" Limestone	238.51	
02 41 19 13-0321		Minimum Charge For Core Drilling *(02 41 19 13-0069)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0322	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	580.60	
02 41 19 13-0323		**Cutouts** *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0324		**Reinforced Concrete Slab On Grade Cutouts** *(02 41 19 13-0323)*		
02 41 19 13-0325	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	38.18	
02 41 19 13-0326	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	40.50	
02 41 19 13-0327	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	42.81	
02 41 19 13-0328	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.13	
02 41 19 13-0329	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.29	
02 41 19 13-0330		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0323)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0331	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	46.53	
02 41 19 13-0332	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	49.36	
02 41 19 13-0333	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	52.17	
02 41 19 13-0334	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.00	
02 41 19 13-0335	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.41	
02 41 19 13-0336		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0323)*		
02 41 19 13-0337	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	47.73	
02 41 19 13-0338	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	50.63	
02 41 19 13-0339	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	53.52	
02 41 19 13-0340	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	56.41	
02 41 19 13-0341	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	57.86	
02 41 19 13-0342		**Brick Wall Cutouts** *(02 41 19 13-0323)* Note: Excludes toothing.		
02 41 19 13-0343	SF	4" Thick Brick Wall Cutouts, <24 SF	14.46	
02 41 19 13-0344	SF	6" Thick Brick Wall Cutouts, <24 SF	23.86	
02 41 19 13-0345	SF	8" Thick Brick Wall Cutouts, <24 SF	33.24	
02 41 19 13-0346	SF	10" Thick Brick Wall Cutouts, <24 SF	40.50	
02 41 19 13-0347	SF	12" Thick Brick Wall Cutouts, <24 SF	48.45	
02 41 19 13-0348	SF	16" Thick Brick Wall Cutouts, <24 SF	57.13	
02 41 19 13-0349		**Concrete Block Wall Cutouts** *(02 41 19 13-0323)* Note: Excludes toothing.		
02 41 19 13-0350	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	23.93	
02 41 19 13-0351	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	25.34	
02 41 19 13-0352	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	26.75	
02 41 19 13-0353	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	28.20	
02 41 19 13-0354	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	28.93	
02 41 19 13-0355	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	30.38	
02 41 19 13-0356		**Limestone Cutouts** *(02 41 19 13-0323)*		
02 41 19 13-0357	SF	2" Thick Limestone Cutouts, <24 SF	40.50	
02 41 19 13-0358	SF	4" Thick Limestone Cutouts, <24 SF	49.18	
02 41 19 13-0359	SF	6" Thick Limestone Cutouts, <24 SF	52.07	
02 41 19 13-0360	SF	8" Thick Limestone Cutouts, <24 SF	54.96	
02 41 19 13-0361	SF	10" Thick Limestone Cutouts, <24 SF	57.86	
02 41 19 13-0362	SF	12" Thick Limestone Cutouts, <24 SF	60.75	
02 41 19 13-0363		**Toothing Masonry Cutouts** *(02 41 19 13-0323)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0364	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	14.46	
02 41 19 13-0365	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	19.52	
02 41 19 13-0366	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.68	
02 41 19 13-0367	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	11.57	
02 41 19 13-0368		**Minimum Charge For Cutouts** *(02 41 19 13-0323)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0369	EA	Cutouts Minimum Charge	289.28	

02 43 Structure Moving *(02 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 00-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 00-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	27.34	
02 43 13 00-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	25.83	
02 43 13 00-0004	SF	>920 SF, Move Relocatable Metal Frame Building	24.18	
02 43 13 00-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	21.93	
02 43 13 00-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	20.50	
02 43 13 00-0007	SF	>920 SF, Move Relocatable Wood Frame Building	18.14	
02 43 13 00-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.57	
02 43 13 00-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.18	
02 43 13 00-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	20.50	

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal And Disposal Of Contaminated Soils *(02 60)*

02 61 13 Excavation And Handling Of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*

See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	6.64

02 61 13 00-0004 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0005	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.96
02 61 13 00-0006	CY	Load Excavated Petroleum Contaminated Soil	5.64
02 61 13 00-0007	CY	Disposal Fees Of Petroleum Contaminated Soil	57.40

02 61 13 00-0008 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0009	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.97
02 61 13 00-0010	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.60

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0049 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample	25.07
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample	25.07
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	25.07

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	103.80
02 65 00 00-0008	EA	Lab Test - Flashpoint Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	40.37
02 65 00 00-0009	EA	Lab Test - TOX 9020 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	97.10
02 65 00 00-0010	EA	Lab Test - TPH 8015 Modified Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	103.80
02 65 00 00-0011	EA	Lab Test - TRPH 418.1 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	80.73
02 65 00 00-0012	EA	Lab Test - VOC Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	219.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0013	EA	Lab Test - Semi-Volatile Organic Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	403.66	
02 65 00 00-0014	EA	Lab Test - Oil And Grease 413.1 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	48.55	
02 65 00 00-0015	EA	Lab Test - TCLP (Extraction) - Metals Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	86.50	
02 65 00 00-0016	EA	Lab Test - TCLP (Extraction) - Semi-Volatile Organic Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	115.33	
02 65 00 00-0017	EA	Lab Test - Metals 6010 RCRA Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	129.17	
02 65 00 00-0018	EA	Lab Test - Metals (Arsenic) 7060 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	17.30	
02 65 00 00-0019	EA	Lab Test - Metals (Selenium) 7740 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	17.30	
02 65 00 00-0020	EA	Lab Test - Metals (Lead) 7421 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	17.30	
02 65 00 00-0021	EA	Lab Test - Metals (Mercury) 7470 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	32.29	
02 65 00 00-0022	EA	Lab Test - PNA/PAH 8100 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	184.53	
02 65 00 00-0023	EA	Lab Test - Fuel Id ASTM D3328-78 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	66.75	
02 65 00 00-0024	EA	Lab Test - pH	13.84	
02 65 00 00-0025	EA	Lab Test - PCBs In Wastewater	173.00	
02 65 00 00-0026	EA	Lab Test - Methyl Tertiary Butyl Ether (MTBE)	103.80	
02 65 00 00-0027		Tests, Surveys And Maintenance *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,076.93	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	162.56	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	38.77	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	287.76	
02 65 00 00-0032	EA	Replace Anode On Impressed System	100.21	
02 65 00 00-0033	EA	Replace Power Converter On Impressed System	146.57	
02 65 00 00-0034	EA	Replace Monitor Probes	224.24	
02 65 00 00-0035	EA	Ultrasonic Test	69.01	
02 65 00 00-0036		Tests And Sampling Labor Hours *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer	125.25	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	125.25	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	104.74	
02 65 00 00-0040		Remove Tank Contents *(02 65)*		
02 65 00 00-0041		Transfer Liquid *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.54	
02 65 00 00-0043		Pump Contaminated Liquids And Rinse Material *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.19	
02 65 00 00-0045	GAL	Removal and Disposal Of Non Hazardous Liquid From Tank	0.83	
02 65 00 00-0046		Sludge *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	4.92	
02 65 00 00-0048	GAL	Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank	1.12	
02 65 00 00-0049		Purge Vapors, Open And Clean Tank *(02 65)*		
02 65 00 00-0050		Purge Vapors *(02 65 00 00-0049)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	2.53	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)*		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	227.28	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	292.22	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	370.14	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	480.54	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	896.13	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,077.96	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,201.34	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,441.61	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,792.27	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,155.92	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,694.90	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,368.94	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,210.53	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	185.61	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	247.15	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	323.85	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	448.48	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	993.16	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,257.55	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,471.56	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,849.96	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	2,404.50	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	3,018.12	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	3,929.84	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	4,715.80	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	5,894.76	
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	14.61	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	19.49	
02 65 00 00-0084		**Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)* Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	507.12	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	615.79	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	724.45	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	905.58	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,267.79	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,593.80	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,811.13	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,173.37	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,897.81	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,473.84	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,070.63	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,762.29	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,952.86	
02 65 00 00-0098		**Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)* Note: Includes 1 lengthwise at every 4' O.C. height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	617.60	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,151.74	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,385.43	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,544.01	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,852.80	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,303.49	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,770.86	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,463.58	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,329.48	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,411.84	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0109		Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)* Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	229.91	
		For Each Additional Mile >15 Miles, Add	*3.44*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	312.30	
		For Each Additional Mile >15 Miles, Add	*4.34*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	491.58	
		For Each Additional Mile >15 Miles, Add	*6.51*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	766.15	
		For Each Additional Mile >15 Miles, Add	*7.60*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,352.08	
		For Each Additional Mile >15 Miles, Add	*13.38*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,395.47	
		For Each Additional Mile >15 Miles, Add	*14.47*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,467.82	
		For Each Additional Mile >15 Miles, Add	*16.28*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,131.74	
		For Each Additional Mile >15 Miles, Add	*21.70*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,920.21	
		For Each Additional Mile >15 Miles, Add	*32.55*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,419.33	
		For Each Additional Mile >15 Miles, Add	*36.17*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,232.65	
		For Each Additional Mile >15 Miles, Add	*43.40*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,936.00	
		For Each Additional Mile >15 Miles, Add	*52.08*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,173.15	
		For Each Additional Mile >15 Miles, Add	*59.90*	
02 65 00 00-0123		Other Storage Tank Removals *(02 65 00 00-0080)*		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.45	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.16	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.88	
02 65 00 00-0127		Tank Closure Report *(02 65 00 00-0080)* Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	2,692.32	
02 65 00 00-0129		Temporary Tanks *(02 65)*		
02 65 00 00-0130		Temporary Holding Tanks *(02 65 00 00-0129)*		
02 65 00 00-0131		Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*		
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	479.90	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	479.90	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	959.80	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	719.85	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,679.64	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,199.75	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,966.66	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	2,356.87	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,980.14	
02 65 00 00-0141		Secondary Containment Berm *(02 65 00 00-0129)*		
02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	1,039.78	

02 80 Facility Remediation *(02)*

02 81 Transportation And Disposal Of Hazardous Materials *(02 80)*

02 81 00 00-0001		Hazardous Material Disposal *(02 81)*		
02 81 00 00-0002	GAL	Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container Note: Includes handling of container and disposal at approved site.	8.55	
02 81 00 00-0003	CF	Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	57.79	
02 81 00 00-0004	EA	RCRA (Direct Landfill) Drums Note: Excludes stabilization. See CSI section 02 81 00 00-0005 for Stabilization (>5 ppm).	254.44	
02 81 00 00-0005	EA	Stabilization (>5 ppm)	339.04	
02 81 00 00-0006	TON	Bulk Hazardous Material Landfill Cost	214.63	

02 82 Asbestos Remediation *(02 80)*

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0049 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Minimum Charge For Asbestos Remediation *(02 82 13)*

02 82 13 00-0002	EA	Asbestos Remediation Minimum Show Up Charge Note: For projects where the total asbestos remediation charge is less than the minimum charge, use task "Minimum Charge For Asbestos Remediation" exclusively. Task "Minimum Charge For Asbestos Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	746.32	

02 82 13 00-0003 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0004	HR	Bulk Sampling Or Air Monitoring, Asbestos Testing	60.84	
02 82 13 00-0005	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	31.35	
02 82 13 00-0006	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	36.75	
02 82 13 00-0007	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	58.37	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	100.53	
02 82 13 00-0009	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	122.15	
02 82 13 00-0010	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	24.86	
02 82 13 00-0011	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	30.27	
02 82 13 00-0012	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	41.08	
02 82 13 00-0013	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	31.35	
02 82 13 00-0014	EA	Next Day Turnaround, (Air Point Counting) PLM Test	36.75	
02 82 13 00-0015	EA	Same Day Turnaround, (Air Point Counting) PLM Test	58.37	
02 82 13 00-0016	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	100.53	
02 82 13 00-0017	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	115.67	
02 82 13 00-0018	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	161.07	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.15
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.52
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.56
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.77
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	4.95
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.52

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	EA	10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	504.50	
		For Work In Restricted Working Space, Add		*151.35*
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.80	
		For Work In Restricted Working Space, Add		*7.74*
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.35	
		For Work In Restricted Working Space, Add		*5.81*
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.51	
		For Work In Restricted Working Space, Add		*4.35*
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.88	
		For Work In Restricted Working Space, Add		*3.26*
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	9.46	
		For Work In Restricted Working Space, Add		*2.84*

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	EA	10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	504.50	
		For Work In Restricted Working Space, Add		*151.35*
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.67	
		For Work In Restricted Working Space, Add		*8.90*
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.25	
		For Work In Restricted Working Space, Add		*6.68*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.68	
		For Work In Restricted Working Space, Add	*5.00*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.51	
		For Work In Restricted Working Space, Add	*3.75*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.88	
		For Work In Restricted Working Space, Add	*3.26*	
02 82 33 00-0017		Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*		
		Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018	EA	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	547.51	
		For Work In Restricted Working Space, Add	*164.25*	
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	81.11	
		For Work In Restricted Working Space, Add	*24.33*	
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	31.49	
		For Work In Restricted Working Space, Add	*9.45*	
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	23.61	
		For Work In Restricted Working Space, Add	*7.08*	
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	17.71	
		For Work In Restricted Working Space, Add	*5.31*	
02 82 33 00-0023		Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0024		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0023)*		
		Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0025	EA	Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0026	SF	>10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.80	
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.31	
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	15.23	
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	11.43	
02 82 33 00-0030		Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0031		Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0030)*		
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	126.13	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0033		Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0030)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034	EA	Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0035	SF	>10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	30.95	
02 82 33 00-0036	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.20	
02 82 33 00-0037	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.40	
02 82 33 00-0038	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.05	
02 82 33 00-0039		Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0030)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0040	EA	Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0041	SF	>10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.92	
02 82 33 00-0042	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.78	
02 82 33 00-0043	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.25	
02 82 33 00-0044	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.36	
02 82 33 00-0045		Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0030)*		
02 82 33 00-0046	EA	Up To 10 SF, Plywood, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0047	SF	>10 To 500 SF, Plywood, Asbestos Abatement And Disposal	10.72	
02 82 33 00-0048	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.16	
02 82 33 00-0049	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.48	
02 82 33 00-0050	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	2.96	
02 82 33 00-0051		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0052		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0051)*		
02 82 33 00-0053	EA	Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0054	SF	>10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.48	
02 82 33 00-0055	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.30	
02 82 33 00-0056	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.84	
02 82 33 00-0057	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.59	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0058		**Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal** *(02 82 33 00-0051)*		
02 82 33 00-0059	EA	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0060	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.80	
02 82 33 00-0061	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.35	
02 82 33 00-0062	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.51	
02 82 33 00-0063	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	10.88	
02 82 33 00-0064	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.16	
02 82 33 00-0065	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	7.97	
02 82 33 00-0066		**Exterior Transite Siding, Asbestos Abatement And Disposal** *(02 82 33 00-0051)*		
02 82 33 00-0067	EA	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	504.50	
02 82 33 00-0068	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.03	
02 82 33 00-0069	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.22	
02 82 33 00-0070	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.58	
02 82 33 00-0071	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.93	
02 82 33 00-0072	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.45	
02 82 33 00-0073		**Asbestos Contaminated Debris, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0074		**Asbestos Contaminated Debris, Asbestos Abatement And Disposal** *(02 82 33 00-0073)*		
02 82 33 00-0075	EA	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	504.50	
		For Work In Restricted Working Space, Add	*151.35*	
02 82 33 00-0076	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	50.17	
		For Work In Restricted Working Space, Add	*15.05*	
02 82 33 00-0077	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	33.44	
		For Work In Restricted Working Space, Add	*10.03*	
02 82 33 00-0078	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	25.12	
		For Work In Restricted Working Space, Add	*7.54*	
02 82 33 00-0079	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	20.07	
		For Work In Restricted Working Space, Add	*6.02*	
02 82 33 00-0080	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	17.06	
		For Work In Restricted Working Space, Add	*5.12*	
02 82 33 00-0081	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	15.35	
		For Work In Restricted Working Space, Add	*4.61*	
02 82 33 00-0082		**Asbestos Contaminated Soil, Asbestos Abatement And Disposal** *(02 82 33 00-0073)*		
02 82 33 00-0083	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	756.75	
		For Work In Restricted Working Space, Add	*227.03*	
02 82 33 00-0084	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	50.17	
		For Work In Restricted Working Space, Add	*15.05*	
02 82 33 00-0085	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	33.44	
		For Work In Restricted Working Space, Add	*10.03*	
02 82 33 00-0086	CF	>250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal	25.12	
02 82 33 00-0087	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	20.07	
		For Work In Restricted Working Space, Add	*6.02*	
02 82 33 00-0088	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	17.06	
		For Work In Restricted Working Space, Add	*5.12*	
02 82 33 00-0089	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	15.35	
		For Work In Restricted Working Space, Add	*4.61*	
02 82 33 00-0090		**Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal** *(02 82 33 00-0073)*		
02 82 33 00-0091	EA	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0092	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.15	
02 82 33 00-0093	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.10	
02 82 33 00-0094	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	22.61	
02 82 33 00-0095	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	18.06	
02 82 33 00-0096	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.35	
02 82 33 00-0097	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	13.81	
02 82 33 00-0098		**Other Asbestos Containing Materials, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0099		**30" To 36" Fire Door, Asbestos Abatement And Disposal** *(02 82 33 00-0098)*		
02 82 33 00-0100	EA	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	504.50	
02 82 33 00-0101	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	90.81	
02 82 33 00-0102	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	81.73	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0103		Grout, Asbestos Abatement And Disposal *(02 82 33 00-0098)* Note: e.g. flue grout.		
02 82 33 00-0104	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal	189.19	
02 82 33 00-0105	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	9.94	
02 82 33 00-0106	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.83	
02 82 33 00-0107	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.85	
02 82 33 00-0108	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.03	
02 82 33 00-0109	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.33	
02 82 33 00-0110	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	3.72	
02 82 33 00-0111		Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0098)* Note: e.g. rope, web cloth, flat.		
02 82 33 00-0112	EA	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	189.19	
02 82 33 00-0113	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.37	
02 82 33 00-0114	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.03	
02 82 33 00-0115	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.55	
02 82 33 00-0116	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.69	
02 82 33 00-0117	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.91	
02 82 33 00-0118	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.57	
02 82 33 00-0119		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0098)*		
02 82 33 00-0120		Non Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0119)*		
02 82 33 00-0121	EA	Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	189.19	
02 82 33 00-0122	LF	>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	7.44	
02 82 33 00-0123	LF	>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	5.24	
02 82 33 00-0124	LF	>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.90	
02 82 33 00-0125	LF	>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.93	
02 82 33 00-0126	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.32	
02 82 33 00-0127	LF	>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.01	

02 83 Lead Remediation *(02 80)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0049 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0001		Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*		
02 83 19 13-0002	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	820.83	
02 83 19 13-0003		Testing Material Of Lead Contamination *(02 83 19 13)* Note: Includes report from certified/qualified personnel.		
02 83 19 13-0004	EA	Test Existing Material For Lead, Up To 10 Tests	24.01	
02 83 19 13-0005	EA	Test Existing Material For Lead, >10 To 25 Tests	21.26	
02 83 19 13-0006	EA	Test Existing Material For Lead, 26 To 50 Tests	19.89	
02 83 19 13-0007	EA	Test Existing Material For Lead, 51 To 100 Tests	18.52	
02 83 19 13-0008	EA	Test Existing Material For Lead, 101 To 150 Tests	16.46	
02 83 19 13-0009	EA	Test Existing Material For Lead, 151 To 250 Tests	15.09	
02 83 19 13-0010	EA	Test Existing Material For Lead, >250 Tests	13.72	
02 83 19 13-0011	EA	Lead Inspections Of Units	205.77	
02 83 19 13-0012	HR	Lead-Based Paint Inspector	65.00	
02 83 19 13-0013	EA	Lead Danger Sign	14.02	
02 83 19 13-0014		Sampling And Testing *(02 83 19 13)* Note: Includes taking sample, delivery to lab and lab fee.		
02 83 19 13-0015	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface	37.26	
02 83 19 13-0016	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	35.67	
02 83 19 13-0017	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	54.05	
02 83 19 13-0018	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	75.67	
02 83 19 13-0019	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (5 Day Turnaround) And Lab Fee	14.05	
02 83 19 13-0020	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (24 Hour Turnaround) And Lab Fee	21.62	
02 83 19 13-0021	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (8 Hour Turnaround) And Lab Fee	27.02	
02 83 19 13-0022	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	35.67	
02 83 19 13-0023	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	54.05	
02 83 19 13-0024	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.95	
02 83 19 13-0025	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	8.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0026	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	11.89	
02 83 19 13-0027	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.95	
02 83 19 13-0028	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee	8.11	
02 83 19 13-0029	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee	11.89	
02 83 19 13-0030	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	21.62	
02 83 19 13-0031	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee	32.43	
02 83 19 13-0032	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee	43.24	
02 83 19 13-0033	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	22.36	
02 83 19 13-0034	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee	44.72	
02 83 19 13-0035	EA	Sample Pickup, Per Trip	32.43	
02 83 19 13-0036		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)*		
		Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0037	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	26.25	
02 83 19 13-0038	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	39.24	
02 83 19 13-0039	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material	23.56	
02 83 19 13-0040	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material	5.87	
02 83 19 13-0041	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	28.14	
02 83 19 13-0042	SF	Grilles, Simple, Chemical Stripping Of Lead Contaminated Material	23.51	
02 83 19 13-0043	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	17.77	
02 83 19 13-0044	LF	Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.92	
02 83 19 13-0045	LF	>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	14.23	
02 83 19 13-0046	LF	>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	19.61	
02 83 19 13-0047	LF	>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	35.38	
02 83 19 13-0048	SF	>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.65	
02 83 19 13-0049	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	213.32	
02 83 19 13-0050	SF	Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.86	
02 83 19 13-0051	SF	Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.96	
02 83 19 13-0052	SF	Metal Stair, Chemical Stripping Of Lead Contaminated Material	42.53	
02 83 19 13-0053	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	21.37	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0054	LF	Ornate Railings, Chemical Stripping Of Lead Contaminated Material	7.17	
02 83 19 13-0055		**Demolish Lead Contaminated Material** *(02 83 19 13)*		
		Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0056	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.87	
02 83 19 13-0057	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.75	
02 83 19 13-0058	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.99	
02 83 19 13-0059	SF	Demolish Balustrades And Railings, Lead Contaminated Material	5.54	
02 83 19 13-0060	SF	Demolish Brick, Lead Contaminated Material	3.34	
02 83 19 13-0061	SF	Demolish Concrete Block, Lead Contaminated Material	4.29	
02 83 19 13-0062	SF	Demolish Concrete, Lead Contaminated Material	11.02	
02 83 19 13-0063	LF	Demolish Cabinets, Lead Contaminated Material	25.67	
02 83 19 13-0064	SF	Demolish Fence, Picket, Lead Contaminated Material	2.10	
02 83 19 13-0065	SF	Demolish Grilles, Lead Contaminated Material	3.09	
02 83 19 13-0066	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	13.34	
02 83 19 13-0067	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	5.47	
02 83 19 13-0068	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	7.98	
02 83 19 13-0069	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	12.06	
02 83 19 13-0070	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	22.25	
02 83 19 13-0071	EA	Demolish Radiators, Lead Contaminated Material	96.09	
02 83 19 13-0072	SF	Demolish Siding, Lead Contaminated Material	1.49	
02 83 19 13-0073	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material	3.46	
02 83 19 13-0074	SF	Demolish Steel Beams, Lead Contaminated Material	4.08	
02 83 19 13-0075	SF	Demolish Trusses, Lead Contaminated Material	5.35	
02 83 19 13-0076	SF	Demolish Metal Stair, Lead Contaminated Material	6.36	
02 83 19 13-0077	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.64	
02 83 19 13-0078	SF	Demolish Plywood, Lead Contaminated Material	5.74	
02 83 19 13-0079	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	2.80	
02 83 19 13-0080	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	17.54	
02 83 19 13-0081	LF	Demolish Metal Hand Rails, Lead Contaminated Material	4.68	
02 83 19 13-0082	LF	Demolish Metal Guard Rails, Lead Contaminated Material	10.53	
02 83 19 13-0083		**Wet Sanding Of Lead Contaminated Material** *(02 83 19 13)*		
02 83 19 13-0084	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.52	
02 83 19 13-0085		**Lead Abatement Encapsulation** *(02 83 19 13)*		
		Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0086	SF	Balustrades, Lead Abatement Encapsulation	4.83	
02 83 19 13-0087	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.10	
02 83 19 13-0088	SF	Columns, Lead Abatement Encapsulation	3.74	
02 83 19 13-0089	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.24	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0090	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.86	
02 83 19 13-0091	SF	Grilles, Vents, Lead Abatement Encapsulation	5.21	
02 83 19 13-0092	EA	Hangers, Lead Abatement Encapsulation	41.23	
02 83 19 13-0093	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.93	
02 83 19 13-0094	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.20	
02 83 19 13-0095	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.52	
02 83 19 13-0096	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.62	
02 83 19 13-0097	SF	Siding, Lead Abatement Encapsulation	2.67	
02 83 19 13-0098	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	3.10	
02 83 19 13-0099	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	4.06	
02 83 19 13-0100	SF	Trusses, Lead Abatement Encapsulation	4.06	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*

02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent	0.23	
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate	0.26	
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting	1.11	

02 86 Hazardous Waste Drum Handling *(02 80)*

02 86 00 00-0001 Hazardous Waste Packaging *(02 86)*

02 86 00 00-0002 Overpacks *(02 86 00 00-0001)*

02 86 00 00-0003 Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*

02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	192.76	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	109.73	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	105.90	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	66.26	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	52.19	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	35.17	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	31.79	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	28.02	

02 86 00 00-0012 Polyethylene Overpacks *(02 86 00 00-0002)*

02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	217.74	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	40.24	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	197.02	

02 86 00 00-0016 Composite Overpacks *(02 86 00 00-0002)*

02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	106.92	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	146.72	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	199.01	

02 86 00 00-0020 DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*

02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	9.78	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	10.32	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	10.09	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	5.00	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	5.73	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	3.93	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	5.11	

02 86 00 00-0028 Steel Drums *(02 86 00 00-0001)*

02 86 00 00-0029 UN Rated Steel Drums *(02 86 00 00-0028)*

02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	65.74	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	923.11	
02 86 00 00-0032	EA	8 Gallon, 17C, Open	35.90	
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	744.90	
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	35.12	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	730.88	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,069.28	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	875.05	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	62.13	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	50.38	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	967.16	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,049.26	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	658.79	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	945.14	
02 86 00 00-0044	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	39.70	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	949.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	620.75	
02 86 00 00-0047	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	596.72	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,009.21	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	855.03	
02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	46.02	
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	810.97	
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	39.12	
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	985.18	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	570.69	
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	550.66	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	967.16	
02 86 00 00-0057	EA	30 Gallon, 17E, Open	28.38	
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	51.51	
02 86 00 00-0059	EA	20 Gallon, 17C, Open	39.89	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	871.05	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,043.25	
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	45.65	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	39.80	
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	762.92	
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,023.23	
02 86 00 00-0066	EA	20 Gallon, 17E, Open	26.85	

02 86 00 00-0067 Plastic Drums *(02 86 00 00-0001)*

02 86 00 00-0068 Polyethylene Closed Head Drums *(02 86 00 00-0067)*

Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.

02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	41.27	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	31.68	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	28.77	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	20.10	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	19.71	

02 86 00 00-0074 Polyethylene Open Head Drums *(02 86 00 00-0067)*

Note: Open head drums are primarily used for solids and sludge.

02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	52.16	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	38.35	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	36.44	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	26.85	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	23.01	

02 86 00 00-0080 Fiber Drums *(02 86 00 00-0001)*

02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*

Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.

02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	31.60	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	29.61	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	27.00	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	26.69	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	32.52	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	30.68	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	28.38	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	27.46	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	23.78	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	20.25	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	22.09	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	25.77	

02 86 00 00-0094 Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*

02 86 00 00-0095	EA	Load Drums On Disposal Truck	8.19	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	880.06	

02 86 00 00-0097 Transport Drums To Landfill *(02 86 00 00-0001)*

Note: Includes transportation for up to 25 miles.

02 86 00 00-0098	EA	Transport Drum To Landfill Note: Includes transportation for up to 25 miles.	50.86	

02 87 Bio-Hazard Material Remediation *(02 80)*

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 13 Mold Remediation *(02 87)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0049 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001 Minimum Charge For Mold Remediation *(02 87 13 33)*

02 87 13 33-0002	EA	Mold Remediation Minimum Show Up Charge Note: For projects where the total mold remediation charge is less than the minimum charge, use task "Minimum Charge For Mold Remediation" exclusively. Task "Minimum Charge For Mold Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	746.32

02 87 13 33-0003 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*

Note: Treat fittings as additional lf of insulation.

02 87 13 33-0004 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0003)*

Note: Diameter is outer size of insulation.

02 87 13 33-0005 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0004)*

Note: Excludes encased fittings.

02 87 13 33-0006	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.14
02 87 13 33-0007	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.51
02 87 13 33-0008	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.63
02 87 13 33-0009	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	10.97
02 87 13 33-0010	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.23
02 87 13 33-0011	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	7.15

02 87 13 33-0012 >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0004)*

02 87 13 33-0013	LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	30.06
02 87 13 33-0014	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.43
02 87 13 33-0015	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.82
02 87 13 33-0016	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.62
02 87 13 33-0017	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.46
02 87 13 33-0018	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.23

02 87 13 33-0019 Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0020 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0019)*

02 87 13 33-0021	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.77
02 87 13 33-0022	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.22
02 87 13 33-0023	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.41
02 87 13 33-0024	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.31
02 87 13 33-0025	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.83

02 87 13 33-0026 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*

Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0027 Stucco, Mold Abatement And Disposal *(02 87 13 33-0026)*

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0028	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal	15.77
02 87 13 33-0029	SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.22
02 87 13 33-0030	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.41
02 87 13 33-0031	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.31
02 87 13 33-0032	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.74

02 87 13 33-0033 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0026)*

Note: Exposed surface area, includes associated overspray.

02 87 13 33-0034	SF	Up To 100 SF, Fireproofing, Mold Abatement And Disposal	15.77
02 87 13 33-0035	SF	>100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.45
02 87 13 33-0036	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.60
02 87 13 33-0037	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.70
02 87 13 33-0038	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	6.53

02 87 13 33-0039 Siding, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0040 Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0039)*

02 87 13 33-0041	SF	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.00
02 87 13 33-0042	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.50
02 87 13 33-0043	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.07
02 87 13 33-0044	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.02
02 87 13 33-0045	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0046		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0047		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0046)*		
02 87 13 33-0048	CF	Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.08	
02 87 13 33-0049	CF	>10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.45	
02 87 13 33-0050	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.63	
02 87 13 33-0051	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.72	
02 87 13 33-0052	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	6.98	
02 87 13 33-0053	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.81	
02 87 13 33-0054	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.43	
02 87 13 33-0055		Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0056		Caulking, Mold Abatement And Disposal *(02 87 13 33-0055)*		
02 87 13 33-0057	LF	Up To 10 LF, Caulking, Mold Abatement And Disposal	2.97	
02 87 13 33-0058	LF	>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.52	
02 87 13 33-0059	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.80	
02 87 13 33-0060	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.36	
02 87 13 33-0061	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.01	
02 87 13 33-0062	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.82	
02 87 13 33-0063	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.70	
02 87 13 33-0064		Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0055)*		
02 87 13 33-0065	CSF	Wipe Down Floors With Mild Bleach Solution	14.02	
02 87 13 33-0066	CSF	Wipe Down Walls With Mild Bleach Solution	16.49	
02 87 13 33-0067	CSF	Wipe Down Ceilings With Mild Bleach Solution	18.76	
02 87 13 33-0068	CSF	Wipe Down Countertops With Mild Bleach Solution	15.29	
02 87 13 33-0069	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	19.40	

02 87 16 Excrement Removal *(02 87)*

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	504.50	
		For Work In Restricted Working Space, Add	*151.35*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.41	
		For Work In Restricted Working Space, Add	*2.52*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.65	
		For Work In Restricted Working Space, Add	*2.30*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	6.95	
		For Work In Restricted Working Space, Add	*2.09*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	6.32	
		For Work In Restricted Working Space, Add	*1.90*	

02 89 Hazmat Ancillary Tasks And Support *(02 80)*

02 89 00 00-0001 Barriers And Protection *(02 89)*

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers *(02 89 00 00-0001)*

Note: Use framing task with applicable barrier task.

02 89 00 00-0003	SF	1/2" Plywood For Solid Isolation Barrier	2.95	
02 89 00 00-0004	SF	6 Mil Plastic Sheeting For Separation Barrier	0.31	
02 89 00 00-0005	SF	1/2" Drywall For Solid Isolation Barrier	1.39	
02 89 00 00-0006	SF	5/8" Drywall For Solid Isolation Barrier	1.54	

02 89 00 00-0007 Cleaning Surfaces *(02 89 00 00-0001)*

Note: Other surfaces within contamination area but not contaminated by, or part of removal.

02 89 00 00-0008	SF	Up To 100 SF, Clean Asbestos Surface	1.22	
02 89 00 00-0009	SF	>100 To 500 SF, Clean Asbestos Surface	0.86	
02 89 00 00-0010	SF	>500 To 1,000 SF, Clean Asbestos Surface	0.56	
02 89 00 00-0011	SF	>1,000 SF, Clean Asbestos Surface	0.43	

02 89 00 00-0012 Hazmat Containment Construction *(02 89 00 00-0001)*

02 89 00 00-0013	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.32	
02 89 00 00-0014	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41	
02 89 00 00-0015	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.55	
02 89 00 00-0016	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction	0.49	
02 89 00 00-0017	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.63	
02 89 00 00-0018	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0019		Decontamination Chambers *(02 89)* Note: Includes removal after use.		
02 89 00 00-0020	EA	Portable Personnel Decontamination Wash Facility (3 Stage) Note: Includes connection to negative air system.	614.47	
		For Dismantling And Relocation To A Different Area, Add	*385.23*	
02 89 00 00-0021	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	393.33	
		For Dismantling And Relocation To A Different Area, Add	*278.71*	

END OF SECTION 02

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance Of Concrete *(03)*

03 01 30 Maintenance Of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning Of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*
Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot Blasting	1.86	
		For Up To 100, Add	*2.30*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot Blasting	3.01	
		For Up To 100, Add	*4.60*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000, Deduct	*-0.23*	

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*
See CSI section 09 91 43 00-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors	4.63
03 01 30 71-0005	SF	1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors	13.16
03 01 30 71-0006	SF	White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors	0.39

03 01 30 71-0007 Concrete Grinding *(03 01 30 71-0002)*

03 01 30 71-0008	SY	Grinding Cured, Warped, Or Rough Slabs	1.47

03 01 30 71-0009 Verticals Or Overheads *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0010	SF	1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	7.03
03 01 30 71-0011	SF	1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	18.97
03 01 30 71-0012	SF	1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	21.10
03 01 30 71-0013	SF	1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.76
03 01 30 71-0014	SF	1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads Note: Rapid Set - Wunderfixx	10.01

03 01 30 71-0015 Bridge Deck Treatment *(03 01 30 71-0002)*

03 01 30 71-0016	SF	Sweep Bridge Deck	0.01
03 01 30 71-0017	SF	Clean Bridge Deck	0.02
03 01 30 71-0018	SF	Treat Bridge Deck With Methacrylate Resin Sealant	1.34

03 01 30 71-0019 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0020 Concrete Patching *(03 01 30 71-0019)*

03 01 30 71-0021 Walls *(03 01 30 71-0020)*

03 01 30 71-0022	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	100.75	
		For Up To 10, Add	*32.72*	
		For >10 To 25, Add	*19.63*	
		For >25 To 50, Add	*13.09*	
		For >50 To 75, Add	*6.54*	
03 01 30 71-0023	BAG	Sika Grout 212, 50 LB Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	41.09	
		For Up To 10, Add	*5.84*	
		For >10 To 25, Add	*3.50*	
		For >25 To 50, Add	*2.33*	
		For >50 To 75, Add	*1.17*	
03 01 30 71-0024	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	27.89	
03 01 30 71-0025	BAG	Pea Gravel	19.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0026		Crack Repair For Concrete *(03 01 30 71-0001)*		
03 01 30 71-0027		Non Structural Crack Repair For Concrete *(03 01 30 71-0026)*		
03 01 30 71-0028		Surface Applied, Non Structural Crack Repair For Concrete *(03 01 30 71-0027)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0029	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	4.86	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.33	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0031	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	4.94	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0032	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.47	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0033	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	5.20	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0034	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	6.99	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0035	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	5.38	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0036	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.37	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0037		Pressure Injected, Non Structural Crack Repair For Concrete *(03 01 30 71-0027)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0038	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	19.91	
		For Cracks Accessible From Both Sides, Add	*4.04*	
03 01 30 71-0039		Structural Crack Repair For Concrete *(03 01 30 71-0026)*		
03 01 30 71-0040		Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0039)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0041	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	5.43	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0042	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.47	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0043	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	5.42	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	7.45	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0045	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	6.18	
		For V-Grooving Crack With Grinder, Add	*3.92*	
03 01 30 71-0046	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	8.96	
		For V-Grooving Crack With Grinder, Add	*3.83*	
03 01 30 71-0047		Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0039)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0048	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	17.88	
		For Cracks Accessible From Both Sides, Add	*4.04*	
03 01 30 71-0049	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	17.88	
		For Cracks Accessible From Both Sides, Add	*4.04*	
03 01 30 71-0050		Carbon Fiber Strengthening System *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0051	SF	Carbon Fiber Strengthening System Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	59.04	
03 01 30 71-0052	SF	Carbon Fiber Strengthening System Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	51.63	
03 01 30 71-0053	SF	Carbon Fiber Strengthening System Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	45.15	

03 05 Common Work Results For Concrete *(03)*

03 05 00 00-0001 Concrete Admixtures *(03 05)*

03 05 00 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.45
03 05 00 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.39
03 05 00 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	3.72
03 05 00 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	7.43
03 05 00 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	6.64
03 05 00 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	13.27
03 05 00 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	2.87
03 05 00 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	3.98
03 05 00 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.96
03 05 00 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	3.19
03 05 00 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	6.37
03 05 00 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	8.49
03 05 00 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	20.96
03 05 00 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	51.11
03 05 00 00-0016	CY	Corrosion Inhibiting Concrete Admixture	15.93
03 05 00 00-0017	CY	Winter Service Or Heat, Concrete Add	3.72
03 05 00 00-0018	CY	Chilled Water, Concrete Add	3.72
03 05 00 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	21.50
03 05 00 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	35.83
03 05 00 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	68.80
03 05 00 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	95.55

03 10 Concrete Forming And Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	6.56
		For <1,000, Add	*1.23*
		For Foundations >8' Below Grade, Add	*1.18*
		For Curved Formwork, Add	*2.36*
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	7.82
		For <1,000, Add	*1.47*
		For Foundations >8' Below Grade, Add	*1.43*
		For Curved Formwork, Add	*2.86*
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	9.02
		For <1,000, Add	*1.72*
		For Foundations >8' Below Grade, Add	*1.68*
		For Curved Formwork, Add	*3.36*
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	7.53
		For <1,000, Add	*1.42*
		For Foundations >8' Below Grade, Add	*1.38*
		For Curved Formwork, Add	*2.77*
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	10.69
		For <1,000, Add	*2.02*
		For Foundations >8' Below Grade, Add	*1.96*
		For Curved Formwork, Add	*3.91*

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	5.06
		For Foundations >8' Below Grade, Add	*0.94*
		For Curved Formwork, Add	*1.89*
		For Up To 250, Add	*0.97*
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	7.25
		For Foundations >8' Below Grade, Add	*1.32*
		For Curved Formwork, Add	*2.63*
		For Up To 250, Add	*1.36*
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	9.32
		For Foundations >8' Below Grade, Add	*1.70*
		For Curved Formwork, Add	*3.41*
		For <1,000, Add	*1.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0012		**Column Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	39.19	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	57.10	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	71.68	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	102.72	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	147.34	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	194.57	
03 11 13 00-0019		**Above Grade Wall Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	11.95	
		For Curved Formwork, Add	*4.41*	
		For <1,000, Add	*2.27*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	14.16	
		For Curved Formwork, Add	*5.24*	
		For <1,000, Add	*2.69*	
03 11 13 00-0022		**Elevated Beam Wood Formwork** *(03 11 13 00-0001)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	15.46	
		For Curved Formwork, Add	*5.74*	
		For <1,000, Add	*2.94*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	9.91	
		For Curved Formwork, Add	*3.67*	
		For <1,000, Add	*1.89*	
03 11 13 00-0025		**Elevated Slab Wood Formwork** *(03 11 13 00-0001)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork	9.10	
		For <1,000, Add	*1.68*	
03 11 13 00-0027		**Metal Framed Formwork** *(03 11 13)*		
		Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	5.61	
		For <1,000, Add	*1.07*	
		For Foundations >8' Below Grade, Add	*1.04*	
		For Curved Formwork, Add	*2.09*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	6.26	
		For <1,000, Add	*1.20*	
		For Foundations >8' Below Grade, Add	*1.17*	
		For Curved Formwork, Add	*2.35*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	6.93	
		For <1,000, Add	*1.32*	
		For Foundations >8' Below Grade, Add	*1.29*	
		For Curved Formwork, Add	*2.58*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	5.85	
		For <1,000, Add	*1.11*	
		For Foundations >8' Below Grade, Add	*1.08*	
		For Curved Formwork, Add	*2.17*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	9.05	
		Note: Excludes footing.		
		For <1,000, Add	*1.74*	
		For Foundations >8' Below Grade, Add	*1.71*	
		For Curved Formwork, Add	*3.41*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	4.29	
		For Foundations >8' Below Grade, Add	*0.85*	
		For Curved Formwork, Add	*1.69*	
		For <250, Add	*0.85*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	5.35	
		For Foundations >8' Below Grade, Add	*1.05*	
		For Curved Formwork, Add	*2.10*	
		For <250, Add	*1.06*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	5.92	
		For Foundations >8' Below Grade, Add	*1.16*	
		For Curved Formwork, Add	*2.32*	
		For <1,000, Add	*1.17*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	33.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	40.83	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	47.71	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	57.11	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	68.69	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	82.30	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	105.47	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	129.80	

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	27.88	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	31.44	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	36.55	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	43.46	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	51.85	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	59.79	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	75.41	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	93.27	

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	5.32	
		For Curved Formwork, Add	*1.92*	
		For <1,000, Add	*0.99*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	6.44	
		For Curved Formwork, Add	*2.31*	
		For <1,000, Add	*1.20*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	5.24	
		For Curved Formwork, Add	*1.78*	
		For <1,000, Add	*0.94*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	3.92	
		For Curved Formwork, Add	*1.40*	
		For <1,000, Add	*0.73*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	6.76	
		For <1,000, Add	*1.10*	

03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	15.04	
		For Plastic Lined, Add	*0.46*	
		For Columns >12' In Length, Add	*1.50*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	15.82	
		For Plastic Lined, Add	*0.55*	
		For Columns >12' In Length, Add	*1.58*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	17.44	
		For Plastic Lined, Add	*0.63*	
		For Columns >12' In Length, Add	*1.74*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	20.45	
		For Plastic Lined, Add	*0.90*	
		For Columns >12' In Length, Add	*2.05*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	22.96	
		For Plastic Lined, Add	*1.22*	
		For Columns >12' In Length, Add	*2.30*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	24.71	
		For Plastic Lined, Add	*1.54*	
		For Columns >12' In Length, Add	*2.47*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	25.91	
		For Plastic Lined, Add	*1.68*	
		For Columns >12' In Length, Add	*2.59*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	28.04	
		For Plastic Lined, Add	*2.09*	
		For Columns >12' In Length, Add	*2.80*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	30.54	
		For Plastic Lined, Add	*2.52*	
		For Columns >12' In Length, Add	*3.05*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	33.03	
		For Plastic Lined, Add	*2.95*	
		For Columns >12' In Length, Add	*3.30*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	34.35	
		For Plastic Lined, Add	*3.22*	
		For Columns >12' In Length, Add	*3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	36.34	
		For Plastic Lined, Add	*3.69*	
		For Columns >12' In Length, Add	*3.63*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	38.48	
		For Plastic Lined, Add	*4.21*	
		For Columns >12' In Length, Add	*3.85*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	46.04	
		For Plastic Lined, Add	*6.02*	
		For Columns >12' In Length, Add	*4.60*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	61.18	
		For Plastic Lined, Add	*10.23*	
		For Columns >12' In Length, Add	*6.12*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	72.11	
		For Plastic Lined, Add	*13.18*	
		For Columns >12' In Length, Add	*7.21*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	116.63	
		For Plastic Lined, Add	*26.01*	
		For Columns >12' In Length, Add	*11.66*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	129.24	
		For Plastic Lined, Add	*29.39*	
		For Columns >12' In Length, Add	*12.92*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	1.84	

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	1.94	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	2.25	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	2.59	

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	9.01	

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.44	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	12.35	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	14.90	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.39	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.96	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	41.63	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 00-0001 Concrete Form Liners *(03 11 16)*

03 11 16 00-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	4.23	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	15.16	
		For Curved Formwork, Add	*5.83*	
		For <1,000, Add	*2.96*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	29.89	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*11.38*	
		For <1,000, Add	*5.79*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	12.22	
		For Curved Formwork, Add	*4.74*	
		For <1,000, Add	*2.40*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	22.77	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*8.82*	
		For <1,000, Add	*4.46*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.74	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	7.46	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	8.68	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	9.37	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	12.72	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	6.68	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	8.59	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	13.65	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	11.35	

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	8.29	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	9.58	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	8.82	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	12.24	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	9.99	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	12.93	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	5.73	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	8.38	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	9.31	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	10.32	

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001 Poured Expansion Joint *(03 15 16)*

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.06	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.22	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.26	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.71	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	3.10	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	5.52	0.68
		For Installation In Walls, Add	*2.07*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	2.02	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.59	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.67	0.68
		For Installation In Walls, Add	*1.28*	

03 15 16 00-0011 Premolded Expansion Joints *(03 15 16)*

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.98	0.91
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.25	0.97
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.41	1.01
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.59	1.06
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.14	0.91
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.37	0.97
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.65	1.01
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.04	1.06
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.95	0.87
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.12	0.91
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.31	0.97
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.47	1.01
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.68	1.06
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.96	1.11
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	3.17	1.15
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.54	1.20
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.32	0.97
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.64	1.01
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.20	1.11
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	5.47	1.52

03 15 16 00-0033 Cork, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	3.24	0.97
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.63	1.06
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	3.94	1.11
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	5.44	1.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	5.78	1.20
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	6.44	1.52
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	7.41	1.52
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	7.86	1.52
03 15 16 00-0042		Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.13	0.97
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.23	1.01
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.35	1.06
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.70	1.11
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.19	0.97
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.29	1.01
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.38	1.06
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.61	1.11
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	2.16	0.97
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	2.34	1.01
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	2.60	1.11
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	3.93	0.91
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	4.71	0.91
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	1.03	0.68
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	0.97	0.68
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	5.03	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	5.09	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	5.25	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	5.52	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	6.55	

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*
Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*
See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.65
		For Galvanized, Add	*0.72*
		For Stainless Steel, Add	*5.01*
		For >10 To 50, Deduct	*-0.26*
		For >50 To 100, Deduct	*-0.56*
		For >100, Deduct	*-1.12*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	7.44
		For Galvanized, Add	*0.91*
		For Stainless Steel, Add	*6.37*
		For >10 To 50, Deduct	*-0.28*
		For >50 To 100, Deduct	*-0.61*
		For >100, Deduct	*-1.22*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.61
		For Galvanized, Add	*1.26*
		For Stainless Steel, Add	*8.79*
		For >10 To 50, Deduct	*-0.31*
		For >50 To 100, Deduct	*-0.67*
		For >100, Deduct	*-1.35*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	9.38
		For Galvanized, Add	*1.64*
		For Stainless Steel, Add	*11.48*
		For >10 To 50, Deduct	*-0.31*
		For >50 To 100, Deduct	*-0.69*
		For >100, Deduct	*-1.38*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.03
		For Galvanized, Add	*2.19*
		For Stainless Steel, Add	*15.33*
		For >10 To 50, Deduct	*-0.33*
		For >50 To 100, Deduct	*-0.77*
		For >100, Deduct	*-1.55*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.32	
		For Galvanized, Add	*2.51*	
		For Stainless Steel, Add	*17.54*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.71*	

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.28	
		For Galvanized, Add	*2.49*	
		For Stainless Steel, Add	*17.40*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.71*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.91	
		For Galvanized, Add	*2.90*	
		For Stainless Steel, Add	*20.27*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.55	
		For Galvanized, Add	*3.71*	
		For Stainless Steel, Add	*25.97*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.20*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.59	
		For Galvanized, Add	*4.68*	
		For Stainless Steel, Add	*32.73*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.93	
		For Galvanized, Add	*3.40*	
		For Stainless Steel, Add	*23.80*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.17*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.58	
		For Galvanized, Add	*4.07*	
		For Stainless Steel, Add	*28.49*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.03	
		For Galvanized, Add	*5.43*	
		For Stainless Steel, Add	*37.98*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.23	
		For Galvanized, Add	*4.40*	
		For Stainless Steel, Add	*30.77*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.53*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.76	
		For Galvanized, Add	*5.29*	
		For Stainless Steel, Add	*37.03*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.97*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.87	
		For Galvanized, Add	*6.63*	
		For Stainless Steel, Add	*46.41*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.59*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.48	
		For Galvanized, Add	*8.10*	
		For Stainless Steel, Add	*56.70*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.47*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.45	
		For Galvanized, Add	*5.50*	
		For Stainless Steel, Add	*38.47*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.59	
		For Galvanized, Add	*6.61*	
		For Stainless Steel, Add	*46.27*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.63	
		For Galvanized, Add	*8.29*	
		For Stainless Steel, Add	*58.03*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.31	
		For Galvanized, Add	*10.13*	
		For Stainless Steel, Add	*70.88*	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.02*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.42	
		For Galvanized, Add	*6.87*	
		For Stainless Steel, Add	*48.06*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.34	
		For Galvanized, Add	*8.27*	
		For Stainless Steel, Add	*57.86*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.79*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	38.50	
		For Galvanized, Add	*10.37*	
		For Stainless Steel, Add	*72.56*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.59*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.52	
		For Galvanized, Add	*12.66*	
		For Stainless Steel, Add	*88.59*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.85*	
		For >100, Deduct	*-5.71*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.41	
		For Galvanized, Add	*8.59*	
		For Stainless Steel, Add	*60.10*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.71*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.27	
		For Galvanized, Add	*10.33*	
		For Stainless Steel, Add	*72.31*	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.85	
		For Galvanized, Add	*12.96*	
		For Stainless Steel, Add	*90.69*	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.28*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	56.55	
		For Galvanized, Add	*15.82*	
		For Stainless Steel, Add	*110.74*	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.28*	
		For >100, Deduct	*-6.56*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.92	
		For Galvanized, Add	*1.90*	
		For Stainless Steel, Add	*13.30*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.82	
		For Galvanized, Add	*2.35*	
		For Stainless Steel, Add	*16.42*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.82	
		For Galvanized, Add	*2.69*	
		For Stainless Steel, Add	*18.83*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.77	
		For Galvanized, Add	*2.80*	
		For Stainless Steel, Add	*19.57*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.48	
		For Galvanized, Add	*2.94*	
		For Stainless Steel, Add	*20.55*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.84	
		For Galvanized, Add	*2.36*	
		For Stainless Steel, Add	*16.49*	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.93	
		For Galvanized, Add	*2.75*	
		For Stainless Steel, Add	*19.22*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.47	
		For Galvanized, Add	*3.15*	
		For Stainless Steel, Add	*22.02*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.15	
		For Galvanized, Add	*3.27*	
		For Stainless Steel, Add	*22.89*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.15	
		For Galvanized, Add	*3.44*	
		For Stainless Steel, Add	*24.05*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.48	
		For Galvanized, Add	*3.02*	
		For Stainless Steel, Add	*21.14*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.98	
		For Galvanized, Add	*3.40*	
		For Stainless Steel, Add	*23.80*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.21	
		For Galvanized, Add	*3.80*	
		For Stainless Steel, Add	*26.60*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.85	
		For Galvanized, Add	*3.98*	
		For Stainless Steel, Add	*27.86*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.61	
		For Galvanized, Add	*4.17*	
		For Stainless Steel, Add	*29.16*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.07*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.96	
		For Galvanized, Add	*4.83*	
		For Stainless Steel, Add	*33.81*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.66	
		For Galvanized, Add	*5.65*	
		For Stainless Steel, Add	*39.55*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-5.44*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.13	
		For Galvanized, Add	*3.98*	
		For Stainless Steel, Add	*27.83*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.83*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.51	
		For Galvanized, Add	*4.45*	
		For Stainless Steel, Add	*31.15*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.20	
		For Galvanized, Add	*4.66*	
		For Stainless Steel, Add	*32.59*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.22	
		For Galvanized, Add	*4.81*	
		For Stainless Steel, Add	*33.64*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.53	
		For Galvanized, Add	*5.63*	
		For Stainless Steel, Add	*39.38*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.22*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.97	
		For Galvanized, Add	*6.37*	
		For Stainless Steel, Add	*44.59*	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-4.48*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.69	
		For Galvanized, Add	*7.20*	
		For Stainless Steel, Add	*50.37*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.49	
		For Galvanized, Add	*7.83*	
		For Stainless Steel, Add	*54.78*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-5.35*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.86	
		For Galvanized, Add	*8.38*	
		For Stainless Steel, Add	*58.66*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.06*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.40	
		For Galvanized, Add	*8.97*	
		For Stainless Steel, Add	*62.79*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-6.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.37	
		For Galvanized, Add	*9.92*	
		For Stainless Steel, Add	*69.41*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.15*	
		For >100, Deduct	*-8.30*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.63	
		For Galvanized, Add	*6.01*	
		For Stainless Steel, Add	*42.07*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.34	
		For Galvanized, Add	*7.03*	
		For Stainless Steel, Add	*49.21*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.15	
		For Galvanized, Add	*7.96*	
		For Stainless Steel, Add	*55.72*	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.64*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.28	
		For Galvanized, Add	*8.99*	
		For Stainless Steel, Add	*62.93*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.40	
		For Galvanized, Add	*9.78*	
		For Stainless Steel, Add	*68.46*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.55*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.05	
		For Galvanized, Add	*10.48*	
		For Stainless Steel, Add	*73.33*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.27*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.06	
		For Galvanized, Add	*11.30*	
		For Stainless Steel, Add	*79.10*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.61*	
		For >100, Deduct	*-7.22*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.33	
		For Galvanized, Add	*12.40*	
		For Stainless Steel, Add	*86.77*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.55*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.27	
		For Galvanized, Add	*8.33*	
		For Stainless Steel, Add	*58.31*	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.70	
		For Galvanized, Add	*8.74*	
		For Stainless Steel, Add	*61.15*	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.71	
		For Galvanized, Add	*9.61*	
		For Stainless Steel, Add	*67.27*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-5.26*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.84	
		For Galvanized, Add	*10.50*	
		For Stainless Steel, Add	*73.50*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.81*	
		For >100, Deduct	*-5.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.14	
		For Galvanized, Add	*11.39*	
		For Stainless Steel, Add	*79.73*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.01*	
		For >100, Deduct	*-6.01*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.61	
		For Galvanized, Add	*12.25*	
		For Stainless Steel, Add	*85.75*	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.42*	
		For >100, Deduct	*-6.85*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.72	
		For Galvanized, Add	*13.25*	
		For Stainless Steel, Add	*92.75*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.97*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.00	
		For Galvanized, Add	*14.70*	
		For Stainless Steel, Add	*102.87*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-4.80*	
		For >100, Deduct	*-9.59*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.34	
		For Galvanized, Add	*12.53*	
		For Stainless Steel, Add	*87.71*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.91*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.91	
		For Galvanized, Add	*12.81*	
		For Stainless Steel, Add	*89.64*	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.51	
		For Galvanized, Add	*13.01*	
		For Stainless Steel, Add	*91.07*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.60*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.89	
		For Galvanized, Add	*15.03*	
		For Stainless Steel, Add	*105.18*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.07*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.79	
		For Galvanized, Add	*17.35*	
		For Stainless Steel, Add	*121.42*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.95*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.61	
		For Galvanized, Add	*17.58*	
		For Stainless Steel, Add	*123.03*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.92*	
		For >100, Deduct	*-7.85*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.49	
		For Galvanized, Add	*18.98*	
		For Stainless Steel, Add	*132.83*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.60*	
		For >100, Deduct	*-9.21*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.55	
		For Galvanized, Add	*20.44*	
		For Stainless Steel, Add	*143.08*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-11.18*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.64	
		For Galvanized, Add	*19.08*	
		For Stainless Steel, Add	*133.53*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.21*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.60	
		For Galvanized, Add	*20.62*	
		For Stainless Steel, Add	*144.34*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.07	
		For Galvanized, Add	*22.48*	
		For Stainless Steel, Add	*157.36*	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-7.87*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	80.83	
		For Galvanized, Add	*23.81*	
		For Stainless Steel, Add	*166.64*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.51*	
		For >100, Deduct	*-9.02*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.70	
		For Galvanized, Add	*25.58*	
		For Stainless Steel, Add	*179.06*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.93*	
		For >100, Deduct	*-9.87*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.24	
		For Galvanized, Add	*27.32*	
		For Stainless Steel, Add	*191.21*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-5.43*	
		For >100, Deduct	*-10.85*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.87	
		For Galvanized, Add	*29.34*	
		For Stainless Steel, Add	*205.35*	
		For >10 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-6.69*	
		For >100, Deduct	*-13.37*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	116.70	
		For Galvanized, Add	*32.25*	
		For Stainless Steel, Add	*225.75*	
		For >10 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-6.83*	
		For >100, Deduct	*-13.67*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	132.60	
		For Galvanized, Add	*35.85*	
		For Stainless Steel, Add	*250.95*	
		For >10 To 50, Deduct	*-3.05*	
		For >50 To 100, Deduct	*-7.88*	
		For >100, Deduct	*-15.77*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	106.25	
		For Galvanized, Add	*42.38*	
		For Stainless Steel, Add	*296.66*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.54*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	112.96	
		For Galvanized, Add	*44.30*	
		For Stainless Steel, Add	*310.10*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-4.65*	
		For >100, Deduct	*-9.30*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	124.19	
		For Galvanized, Add	*48.04*	
		For Stainless Steel, Add	*336.28*	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-5.21*	
		For >100, Deduct	*-10.43*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.48	
		For Galvanized, Add	*50.63*	
		For Stainless Steel, Add	*354.41*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.85*	
		For >100, Deduct	*-11.71*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.22	
		For Galvanized, Add	*53.34*	
		For Stainless Steel, Add	*373.38*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.32*	
		For >100, Deduct	*-12.64*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	153.37	
		For Galvanized, Add	*56.38*	
		For Stainless Steel, Add	*394.66*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.88*	
		For >100, Deduct	*-13.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.19	
		For Galvanized, Add	*59.50*	
		For Stainless Steel, Add	*416.47*	
		For >10 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-8.19*	
		For >100, Deduct	*-16.39*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.79	
		For Galvanized, Add	*47.98*	
		For Stainless Steel, Add	*335.83*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.37*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.74	
		For Galvanized, Add	*51.32*	
		For Stainless Steel, Add	*359.24*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-10.35*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.85	
		For Galvanized, Add	*54.70*	
		For Stainless Steel, Add	*382.87*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-5.78*	
		For >100, Deduct	*-11.56*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	152.01	
		For Galvanized, Add	*57.74*	
		For Stainless Steel, Add	*404.15*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.54*	
		For >100, Deduct	*-13.08*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.73	
		For Galvanized, Add	*61.06*	
		For Stainless Steel, Add	*427.42*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.11*	
		For >100, Deduct	*-14.23*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	177.22	
		For Galvanized, Add	*65.78*	
		For Stainless Steel, Add	*460.43*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-15.71*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	199.68	
		For Galvanized, Add	*69.39*	
		For Stainless Steel, Add	*485.73*	
		For >10 To 50, Deduct	*-3.05*	
		For >50 To 100, Deduct	*-9.56*	
		For >100, Deduct	*-19.12*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.49
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.82
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.23
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.68
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.84
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.26
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.72
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.51
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.86
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.30
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.77
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.31
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.85
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.48
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.24
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.02
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.91
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.76
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.83
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.38
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.94
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.61

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.40	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.21	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.18	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	12.25	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.52	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.88	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.32	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.82	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.36	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.92	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.58	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.36	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.17	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.12	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.12	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.52	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.88	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.30	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.78	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.53	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.90	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.33	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.82	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.54	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.92	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.37	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.87	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.43	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	2.99	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.64	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	4.42	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	5.23	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	7.19	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	12.19	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.93	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.50	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	3.08	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.77	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	4.58	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	5.42	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	7.46	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	12.68	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.55	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.94	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.39	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.92	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.48	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.06	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.74	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.54	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.38	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.40	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	12.55	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.44	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.75	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.12	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.54	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.45	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.77	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.15	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.58	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.46	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.79	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.19	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.63	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.12	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.65	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.24	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	3.95	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	4.70	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	6.51	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	11.10	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.19	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.74	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.37	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	4.11	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	4.89	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.78	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.59	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.47	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.81	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.21	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.68	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.17	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.72	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.34	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.07	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.85	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.72	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	11.46	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.43	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.73	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.08	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.49	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.44	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.75	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.11	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.53	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.45	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.77	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.15	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.58	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.06	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.56	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.16	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.85	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.60	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.36	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.87	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.64	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.13	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.65	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.29	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.01	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.79	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.63	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.36	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.46	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.79	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.17	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.63	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.11	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.63	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.26	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.97	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.75	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.57	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.23	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.40	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.67	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.01	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.39	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.41	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.69	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.04	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.43	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.42	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.71	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.08	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.48	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.94	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.42	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.99	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.67	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.38	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.09	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	10.44	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.54	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.01	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.51	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.12	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.83	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.57	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.36	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.93	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.43	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.73	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.10	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.53	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.99	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.49	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.09	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.79	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.53	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.30	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.80	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.38	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.65	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	0.97	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.34	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.67	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.00	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.38	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.40	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.69	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.04	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.43	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	1.88	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.35	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	2.90	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.57	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	4.28	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	5.95	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	10.22	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.49	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	1.95	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.44	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	3.03	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	3.73	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.47	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	6.22	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	10.71	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.41	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.71	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.06	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.48	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.93	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.42	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.00	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.69	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.43	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.16	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.58	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	158.33	

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	87.18	

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0266 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	2.22	
		For Up To 12" Length, Deduct	*-0.24*	
		For >12" To <24" Length, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.64	
		For Up To 12" Length, Deduct	*-0.32*	
		For >12" To <24" Length, Deduct	*-0.16*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	3.19	
		For Up To 12" Length, Deduct	*-0.50*	
		For >12" To <24" Length, Deduct	*-0.25*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	3.86	
		For Up To 12" Length, Deduct	*-0.73*	
		For >12" To <24" Length, Deduct	*-0.36*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	4.52	
		For Up To 12" Length, Deduct	*-1.02*	
		For >12" To <24" Length, Deduct	*-0.51*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	5.70	
		For Up To 12" Length, Deduct	*-1.30*	
		For >12" To <24" Length, Deduct	*-0.65*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.71	
		For Up To 12" Length, Deduct	*-1.60*	
		For >12" To <24" Length, Deduct	*-0.80*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	8.18	
		For Up To 12" Length, Deduct	*-2.10*	
		For >12" To <24" Length, Deduct	*-1.05*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	9.68	
		For Up To 12" Length, Deduct	*-2.59*	
		For >12" To <24" Length, Deduct	*-1.29*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,642.67	
		For Grade 75, Add	*174.32*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,611.02	
		For Grade 75, Add	*174.32*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,611.02	
		For Grade 75, Add	*174.32*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,547.42	
		For Grade 75, Add	*174.32*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,494.06	
		For Grade 75, Add	*174.32*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,498.43	
		For Grade 75, Add	*178.61*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,453.76	
		For Grade 75, Add	*178.61*	

03 21 11 00-0258 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0259 Reinforcing Steel Weld Splice *(03 21 11 00-0258)*

03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Weld Splice	31.94
03 21 11 00-0261	EA	>#6 Reinforcing Steel Weld Splice	46.22

03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0258)*

03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	23.94
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	35.23
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	51.13

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.58
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.99
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.49
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.05
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.59
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.00
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.52
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.09
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.61
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.03
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.55
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.15
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.81
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.51
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.32
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.31
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.33
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.80
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.11
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.20
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.89
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.60
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.46	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.52	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.07	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	15.60	
03 21 13 00-0029		Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.61	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.05	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.56	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.15	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.06	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.59	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.19	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.64	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.09	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.62	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.25	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.93	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.65	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.48	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.49	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.54	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.08	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	15.54	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.30	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.01	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.74	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.61	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.64	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.73	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	9.35	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.03	
03 21 13 00-0057		Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.92	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.38	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.91	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.54	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.93	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.41	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.95	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.96	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.44	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.01	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.62	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.31	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.08	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.02	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.01	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.40	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	14.45	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.06	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.70	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.40	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.21	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.17	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.20	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.67	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	14.94	
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.90	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.34	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.86	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.37	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.96	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.56	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.22	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.00	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.92	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.91	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.25	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	14.22	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.01	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.64	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.31	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.13	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.07	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.10	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.52	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	14.71	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.49	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.84	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.27	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.76	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.30	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.80	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.88	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.33	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.86	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.44	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.08	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.83	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.74	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.69	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.98	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.79	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.91	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.17	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.96	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.89	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.88	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.25	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.28	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.47	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.82	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.23	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.71	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.26	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.75	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.81	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.38	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.01	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.74	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.64	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.59	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.84	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.57	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.86	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.46	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.10	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.87	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.79	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.78	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.11	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	14.06	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0001		Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.46	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.01	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.58	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.98	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.49	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.05	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.60	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.53	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.10	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.76	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.44	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.23	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.19	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.19	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.59	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.75	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.16	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.83	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.53	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.35	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.34	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.38	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.87	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.24	
03 21 16 00-0029		Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.60	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.53	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.11	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.56	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.15	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.63	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.07	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.60	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.20	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.88	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.58	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.39	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.37	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.40	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.87	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.18	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.26	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.95	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.67	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.51	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.52	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.59	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.15	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	15.67	
03 21 16 00-0057		Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.90	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.35	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.87	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.53	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.91	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.38	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.91	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.55	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.94	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.42	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.96	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.57	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.24	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.99	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.90	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.19	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	14.09	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.64	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.33	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.11	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.05	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.06	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.47	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	14.58	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.88	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.31	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.89	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.86	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.38	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.91	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.51	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.15	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.91	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.80	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.77	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.04	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	13.86	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.97	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.58	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.24	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.03	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.95	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.96	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.32	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.35	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.48	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.82	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.24	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.72	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.27	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.76	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.86	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.31	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.81	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.39	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.01	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.74	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.62	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.55	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.77	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	13.43	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.87	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.46	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.10	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.86	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.77	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.74	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.05	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	13.92	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.46	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.80	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.20	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.67	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.81	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.23	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.71	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.84	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.27	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.76	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.33	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.94	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.65	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.52	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.45	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.63	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	13.21	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.40	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.03	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.77	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.67	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.64	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.91	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	13.70	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0266 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.60	
		For Up To 12" Length, Deduct	*-0.34*	
		For >12" To <24" Length, Deduct	*-0.17*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.13	
		For Up To 12" Length, Deduct	*-0.52*	
		For >12" To <24" Length, Deduct	*-0.26*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.85	
		For Up To 12" Length, Deduct	*-0.77*	
		For >12" To <24" Length, Deduct	*-0.38*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.59	
		For Up To 12" Length, Deduct	*-1.02*	
		For >12" To <24" Length, Deduct	*-0.51*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.69	
		For Up To 12" Length, Deduct	*-1.39*	
		For >12" To <24" Length, Deduct	*-0.69*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.72	
		For Up To 12" Length, Deduct	*-1.71*	
		For >12" To <24" Length, Deduct	*-0.85*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.00	
		For Up To 12" Length, Deduct	*-2.07*	
		For >12" To <24" Length, Deduct	*-1.03*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.60	
		For Up To 12" Length, Deduct	*-2.50*	
		For >12" To <24" Length, Deduct	*-1.25*	

03 22 Fabric And Grid Reinforcing *(03 20)*

03 22 11 Plain Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Welded Wire Fabric Placed In Floors Or Slabs Under 5 Tons *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.63	
		For >5 Ton, Deduct	*-0.10*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.72	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.81	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.96	
		For >5 Ton, Deduct	*-0.14*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.75	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.84	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.06	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.23	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.15	
		For >5 Ton, Deduct	*-0.15*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.70	
		For >5 Ton, Deduct	*-0.10*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.80	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.92	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.11	
		For >5 Ton, Deduct	*-0.15*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.85	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.96	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.25	
		For >5 Ton, Deduct	*-0.17*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.47	
		For >5 Ton, Deduct	*-0.19*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.47	
		For >5 Ton, Deduct	*-0.39*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.69	
		For >5 Ton, Deduct	*-0.10*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.79	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.91	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.09	
		For >5 Ton, Deduct	*-0.15*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.84	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.95	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.23	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.44	
		For >5 Ton, Deduct	*-0.19*	

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0049 for hauling over 15 miles.

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 00 00-0001 for color additive alternative, 03 31 13 00-0088 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.23	
		For 2,000 PSI Concrete, Deduct	*-0.12*	
		For 2,500 PSI Concrete, Deduct	*-0.06*	
		For 3,500 PSI Concrete, Add	*0.04*	
		For 4,000 PSI Concrete, Add	*0.14*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.25*	
		For >500 To 1,000, Add	*1.53*	
		For >1,000 To 2,000, Add	*0.82*	
		For >2,000 To 5,000, Add	*0.41*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000 To 35,000, Deduct	*-0.24*	
		For >35,000 To 50,000, Deduct	*-0.37*	
		For >50,000 To 70,000, Deduct	*-0.50*	
		For >70,000, Deduct	*-0.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.68	
		For 2,000 PSI Concrete, Deduct	*-0.14*	
		For 2,500 PSI Concrete, Deduct	*-0.07*	
		For 3,500 PSI Concrete, Add	*0.05*	
		For 4,000 PSI Concrete, Add	*0.16*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*1.64*	
		For >1,000 To 2,000, Add	*0.88*	
		For >2,000 To 5,000, Add	*0.44*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000 To 35,000, Deduct	*-0.27*	
		For >35,000 To 50,000, Deduct	*-0.41*	
		For >50,000 To 70,000, Deduct	*-0.55*	
		For >70,000, Deduct	*-0.70*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.31	
		For 2,000 PSI Concrete, Deduct	*-0.16*	
		For 2,500 PSI Concrete, Deduct	*-0.08*	
		For 3,500 PSI Concrete, Add	*0.06*	
		For 4,000 PSI Concrete, Add	*0.19*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.60*	
		For >500 To 1,000, Add	*1.78*	
		For >1,000 To 2,000, Add	*0.97*	
		For >2,000 To 5,000, Add	*0.48*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000 To 35,000, Deduct	*-0.31*	
		For >35,000 To 50,000, Deduct	*-0.46*	
		For >50,000 To 70,000, Deduct	*-0.62*	
		For >70,000, Deduct	*-0.78*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.90	
		For 2,000 PSI Concrete, Deduct	*-0.18*	
		For 2,500 PSI Concrete, Deduct	*-0.09*	
		For 3,500 PSI Concrete, Add	*0.06*	
		For 4,000 PSI Concrete, Add	*0.21*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.78*	
		For >500 To 1,000, Add	*1.91*	
		For >1,000 To 2,000, Add	*1.04*	
		For >2,000 To 5,000, Add	*0.52*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000 To 35,000, Deduct	*-0.34*	
		For >35,000 To 50,000, Deduct	*-0.52*	
		For >50,000 To 70,000, Deduct	*-0.69*	
		For >70,000, Deduct	*-0.86*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.41	
		For 2,000 PSI Concrete, Deduct	*-0.20*	
		For 2,500 PSI Concrete, Deduct	*-0.10*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.24*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.93*	
		For >500 To 1,000, Add	*2.02*	
		For >1,000 To 2,000, Add	*1.10*	
		For >2,000 To 5,000, Add	*0.55*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000 To 35,000, Deduct	*-0.37*	
		For >35,000 To 50,000, Deduct	*-0.56*	
		For >50,000 To 70,000, Deduct	*-0.74*	
		For >70,000, Deduct	*-0.93*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.68	
		For 2,000 PSI Concrete, Deduct	*-0.26*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.30*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.30*	
		For >500 To 1,000, Add	*2.28*	
		For >1,000 To 2,000, Add	*1.26*	
		For >2,000 To 5,000, Add	*0.63*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000 To 35,000, Deduct	*-0.46*	
		For >35,000 To 50,000, Deduct	*-0.67*	
		For >50,000 To 70,000, Deduct	*-0.89*	
		For >70,000, Deduct	*-1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.68	
		For 2,000 PSI Concrete, Deduct	*-0.30*	
		For 2,500 PSI Concrete, Deduct	*-0.15*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.35*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.61*	
		For >500 To 1,000, Add	*2.50*	
		For >1,000 To 2,000, Add	*1.39*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000 To 35,000, Deduct	*-0.52*	
		For >35,000 To 50,000, Deduct	*-0.76*	
		For >50,000 To 70,000, Deduct	*-1.00*	
		For >70,000, Deduct	*-1.24*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	187.16	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.69*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*38.06*	
		For >20 To 50, Add	*14.27*	
		For >100 To 200, Deduct	*-3.74*	
		For >200 To 400, Deduct	*-7.49*	
		For >400, Deduct	*-11.23*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	135.59	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*17.44*	
		For >20 To 50, Add	*6.54*	
		For >100 To 200, Deduct	*-2.71*	
		For >200 To 400, Deduct	*-5.42*	
		For >400, Deduct	*-8.14*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	141.19	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*16.61*	
		For >20 To 50, Add	*6.23*	
		For >100 To 200, Deduct	*-2.82*	
		For >200 To 400, Deduct	*-5.65*	
		For >400, Deduct	*-8.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	176.58	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*33.84*	
		For >20 To 50, Add	*12.69*	
		For >100 To 200, Deduct	*-3.53*	
		For >200 To 400, Deduct	*-7.06*	
		For >400, Deduct	*-10.59*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	130.75	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*15.50*	
		For >20 To 50, Add	*5.81*	
		For >100 To 200, Deduct	*-2.62*	
		For >200 To 400, Deduct	*-5.23*	
		For >400, Deduct	*-7.85*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	136.56	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*14.76*	
		For >20 To 50, Add	*5.54*	
		For >100 To 200, Deduct	*-2.73*	
		For >200 To 400, Deduct	*-5.46*	
		For >400, Deduct	*-8.19*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	234.73	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*57.10*	
		For >20 To 50, Add	*21.41*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.39*	
		For >400, Deduct	*-14.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	157.39	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*26.16*	
		For >20 To 50, Add	*9.81*	
		For >100 To 200, Deduct	*-3.15*	
		For >200 To 400, Deduct	*-6.30*	
		For >400, Deduct	*-9.44*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings	161.95	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*24.92*	
		For >20 To 50, Add	*9.34*	
		For >100 To 200, Deduct	*-3.24*	
		For >200 To 400, Deduct	*-6.48*	
		For >400, Deduct	*-9.72*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	117.37	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*10.15*	
		For >20 To 50, Add	*3.81*	
		For >100 To 200, Deduct	*-2.35*	
		For >200 To 400, Deduct	*-4.69*	
		For >400, Deduct	*-7.04*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	103.62	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*4.65*	
		For >20 To 50, Add	*1.74*	
		For >100 To 200, Deduct	*-2.07*	
		For >200 To 400, Deduct	*-4.14*	
		For >400, Deduct	*-6.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	109.35	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*3.88*	
		For >20 To 50, Add	*1.45*	
		For >100 To 200, Deduct	*-2.19*	
		For >200 To 400, Deduct	*-4.37*	
		For >400, Deduct	*-6.56*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	159.66	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*27.07*	
		For >20 To 50, Add	*10.15*	
		For >100 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-6.39*	
		For >400, Deduct	*-9.58*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	123.00	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*12.40*	
		For >20 To 50, Add	*4.65*	
		For >100 To 200, Deduct	*-2.46*	
		For >200 To 400, Deduct	*-4.92*	
		For >400, Deduct	*-7.38*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams	129.19	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*11.81*	
		For >20 To 50, Add	*4.43*	
		For >100 To 200, Deduct	*-2.58*	
		For >200 To 400, Deduct	*-5.17*	
		For >400, Deduct	*-7.75*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	161.25	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*27.70*	
		For >20 To 50, Add	*10.39*	
		For >100 To 200, Deduct	*-3.23*	
		For >200 To 400, Deduct	*-6.45*	
		For >400, Deduct	*-9.68*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	144.54	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*21.02*	
		For >20 To 50, Add	*7.88*	
		For >100 To 200, Deduct	*-2.89*	
		For >200 To 400, Deduct	*-5.78*	
		For >400, Deduct	*-8.67*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	123.72	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*12.69*	
		For >20 To 50, Add	*4.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200 To 400, Deduct	*-4.95*	
		For >400, Deduct	*-7.42*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	116.07	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*9.63*	
		For >20 To 50, Add	*3.61*	
		For >100 To 200, Deduct	*-2.32*	
		For >200 To 400, Deduct	*-4.64*	
		For >400, Deduct	*-6.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	126.11	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*10.58*	
		For >20 To 50, Add	*3.97*	
		For >100 To 200, Deduct	*-2.52*	
		For >200 To 400, Deduct	*-5.04*	
		For >400, Deduct	*-7.57*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	119.73	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*8.03*	
		For >20 To 50, Add	*3.01*	
		For >100 To 200, Deduct	*-2.39*	
		For >200 To 400, Deduct	*-4.79*	
		For >400, Deduct	*-7.18*	

03 31 13 00-0039 Place Concrete Duct Bank *(03 31 13 00-0011)*

03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	118.25	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*10.50*	
		For >20 To 50, Add	*3.94*	
		For >100 To 200, Deduct	*-2.37*	
		For >200 To 400, Deduct	*-4.73*	
		For >400, Deduct	*-7.10*	

03 31 13 00-0041 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	403.61	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*124.65*	
		For >20 To 50, Add	*46.74*	
		For >100 To 200, Deduct	*-8.07*	
		For >200 To 400, Deduct	*-16.14*	
		For >400, Deduct	*-24.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0043	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	234.78	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*57.12*	
		For >20 To 50, Add	*21.42*	
		For >100 To 200, Deduct	*-4.70*	
		For >200 To 400, Deduct	*-9.39*	
		For >400, Deduct	*-14.09*	
03 31 13 00-0044	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	218.67	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*47.60*	
		For >20 To 50, Add	*17.85*	
		For >100 To 200, Deduct	*-4.37*	
		For >200 To 400, Deduct	*-8.75*	
		For >400, Deduct	*-13.12*	

03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill *(03 31 13 00-0011)*

03 31 13 00-0046	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	161.76	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.69*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	

03 31 13 00-0047 Place Concrete Slurry *(03 31 13 00-0011)*

Note: 2 bag cement per CY.

03 31 13 00-0048	CY	Direct Chute, Place 1,200 PSI Concrete Slurry	150.26	
03 31 13 00-0049	CY	Concrete Pump, Place 1,200 PSI Concrete Slurry	138.61	
		Note: Excludes pumping equipment.		

03 31 13 00-0050 Hand Mix And Place Concrete *(03 31 13 00-0011)*

03 31 13 00-0051	CF	Hand Mix And Place Concrete	26.86	
		Note: For use where conventional equipment access is limited or when directed by the owner.		
		For 2,000 PSI Concrete, Deduct	*-0.21*	
		For 2,500 PSI Concrete, Deduct	*-0.11*	
		For 3,500 PSI Concrete, Add	*0.20*	

03 31 13 00-0052 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 31 13 00-0088 for concrete pump truck.

03 31 13 00-0053 Place Elevated Concrete Beams *(03 31 13 00-0052)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0054	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	261.16	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*67.67*	
		For >20 To 50, Add	*25.38*	
		For >100 To 200, Deduct	*-5.22*	
		For >200 To 400, Deduct	*-10.45*	
		For >400, Deduct	*-15.67*	
03 31 13 00-0055	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	173.48	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*29.53*	
		For >20 To 50, Add	*11.07*	
		For >100 To 200, Deduct	*-3.47*	
		For >200 To 400, Deduct	*-6.94*	
		For >400, Deduct	*-10.41*	

03 31 13 00-0056 Place Elevated Concrete Slab *(03 31 13 00-0052)*

03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	171.64	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*31.86*	
		For >20 To 50, Add	*11.95*	
		For >100 To 200, Deduct	*-3.43*	
		For >200 To 400, Deduct	*-6.87*	
		For >400, Deduct	*-10.30*	
03 31 13 00-0058	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	152.42	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*24.17*	
		For >20 To 50, Add	*9.06*	
		For >100 To 200, Deduct	*-3.05*	
		For >200 To 400, Deduct	*-6.10*	
		For >400, Deduct	*-9.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	134.42	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*13.90*	
		For >20 To 50, Add	*5.21*	
		For >100 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-5.38*	
		For >400, Deduct	*-8.07*	
03 31 13 00-0060	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	126.03	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*10.55*	
		For >20 To 50, Add	*3.96*	
		For >100 To 200, Deduct	*-2.52*	
		For >200 To 400, Deduct	*-5.04*	
		For >400, Deduct	*-7.56*	
03 31 13 00-0061		Place Concrete Columns *(03 31 13 00-0052)*		
03 31 13 00-0062	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	274.70	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*73.08*	
		For >20 To 50, Add	*27.41*	
		For >100 To 200, Deduct	*-5.49*	
		For >200 To 400, Deduct	*-10.99*	
		For >400, Deduct	*-16.48*	
03 31 13 00-0063	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	224.79	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*53.12*	
		For >20 To 50, Add	*19.92*	
		For >100 To 200, Deduct	*-4.50*	
		For >200 To 400, Deduct	*-8.99*	
		For >400, Deduct	*-13.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	189.10	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*38.84*	
		For >20 To 50, Add	*14.57*	
		For >100 To 200, Deduct	*-3.78*	
		For >200 To 400, Deduct	*-7.56*	
		For >400, Deduct	*-11.35*	
03 31 13 00-0065	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	173.20	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*32.48*	
		For >20 To 50, Add	*12.18*	
		For >100 To 200, Deduct	*-3.46*	
		For >200 To 400, Deduct	*-6.93*	
		For >400, Deduct	*-10.39*	
03 31 13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	179.39	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*31.89*	
		For >20 To 50, Add	*11.96*	
		For >100 To 200, Deduct	*-3.59*	
		For >200 To 400, Deduct	*-7.18*	
		For >400, Deduct	*-10.76*	
03 31 13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	157.61	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*23.18*	
		For >20 To 50, Add	*8.69*	
		For >100 To 200, Deduct	*-3.15*	
		For >200 To 400, Deduct	*-6.30*	
		For >400, Deduct	*-9.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	142.03	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*16.95*	
		For >20 To 50, Add	*6.36*	
		For >100 To 200, Deduct	*-2.84*	
		For >200 To 400, Deduct	*-5.68*	
		For >400, Deduct	*-8.52*	
03 31 13 00-0069	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	135.09	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*14.17*	
		For >20 To 50, Add	*5.31*	
		For >100 To 200, Deduct	*-2.70*	
		For >200 To 400, Deduct	*-5.40*	
		For >400, Deduct	*-8.11*	

03 31 13 00-0070 Place Concrete Walls *(03 31 13 00-0052)*

03 31 13 00-0071	CY	8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	263.28	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*68.52*	
		For >20 To 50, Add	*25.69*	
		For >100 To 200, Deduct	*-5.27*	
		For >200 To 400, Deduct	*-10.53*	
		For >400, Deduct	*-15.80*	
03 31 13 00-0072	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	249.07	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*62.83*	
		For >20 To 50, Add	*23.56*	
		For >100 To 200, Deduct	*-4.98*	
		For >200 To 400, Deduct	*-9.96*	
		For >400, Deduct	*-14.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	211.89	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*47.96*	
		For >20 To 50, Add	*17.99*	
		For >100 To 200, Deduct	*-4.24*	
		For >200 To 400, Deduct	*-8.48*	
		For >400, Deduct	*-12.71*	
03 31 13 00-0074	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	170.47	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*31.39*	
		For >20 To 50, Add	*11.77*	
		For >100 To 200, Deduct	*-3.41*	
		For >200 To 400, Deduct	*-6.82*	
		For >400, Deduct	*-10.23*	
03 31 13 00-0075	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	154.77	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*25.11*	
		For >20 To 50, Add	*9.42*	
		For >100 To 200, Deduct	*-3.10*	
		For >200 To 400, Deduct	*-6.19*	
		For >400, Deduct	*-9.29*	
03 31 13 00-0076	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	146.93	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*21.98*	
		For >20 To 50, Add	*8.24*	
		For >100 To 200, Deduct	*-2.94*	
		For >200 To 400, Deduct	*-5.88*	
		For >400, Deduct	*-8.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0077	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	174.40	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*29.90*	
		For >20 To 50, Add	*11.21*	
		For >100 To 200, Deduct	*-3.49*	
		For >200 To 400, Deduct	*-6.98*	
		For >400, Deduct	*-10.46*	
03 31 13 00-0078	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	159.45	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*23.92*	
		For >20 To 50, Add	*8.97*	
		For >100 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-6.38*	
		For >400, Deduct	*-9.57*	
03 31 13 00-0079	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	151.98	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*20.93*	
		For >20 To 50, Add	*7.85*	
		For >100 To 200, Deduct	*-3.04*	
		For >200 To 400, Deduct	*-6.08*	
		For >400, Deduct	*-9.12*	

03 31 13 00-0080 Place Elevated Concrete Stairs *(03 31 13 00-0052)*

03 31 13 00-0081	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	438.27	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*138.51*	
		For >20 To 50, Add	*51.94*	
		For >100 To 200, Deduct	*-8.77*	
		For >200 To 400, Deduct	*-17.53*	
		For >400, Deduct	*-26.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0082	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	250.64	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*63.46*	
		For >20 To 50, Add	*23.80*	
		For >100 To 200, Deduct	*-5.01*	
		For >200 To 400, Deduct	*-10.03*	
		For >400, Deduct	*-15.04*	
03 31 13 00-0083	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs	231.87	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*52.88*	
		For >20 To 50, Add	*19.83*	
		For >100 To 200, Deduct	*-4.64*	
		For >200 To 400, Deduct	*-9.27*	
		For >400, Deduct	*-13.91*	

03 31 13 00-0084 Place Concrete Coping *(03 31 13 00-0052)*

03 31 13 00-0085	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	450.24	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*143.30*	
		For >20 To 50, Add	*53.74*	
		For >100 To 200, Deduct	*-9.00*	
		For >200 To 400, Deduct	*-18.01*	
		For >400, Deduct	*-27.01*	
03 31 13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping	249.58	
		For 2,000 PSI Concrete, Deduct	*-4.97*	
		For 2,500 PSI Concrete, Deduct	*-2.48*	
		For 3,500 PSI Concrete, Add	*4.60*	
		For 3,750 PSI Concrete, Add	*6.26*	
		For 4,000 PSI Concrete, Add	*7.91*	
		For 4,500 PSI Concrete, Add	*9.20*	
		For 5,000 PSI Concrete, Add	*10.49*	
		For 6,000 PSI Concrete, Add	*24.84*	
		For 7,500 PSI Concrete, Add	*61.68*	
		For White Cement Concrete, Add	*11.04*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.20*	
		For Lightweight Aggregate, ASTM C330, Add	*27.60*	
		For Up To 20, Add	*63.04*	
		For >20 To 50, Add	*23.64*	
		For >100 To 200, Deduct	*-4.99*	
		For >200 To 400, Deduct	*-9.98*	
		For >400, Deduct	*-14.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	338.36	
		For 2,000 PSI Concrete, Deduct	*-5.38*	
		For 2,500 PSI Concrete, Deduct	*-2.69*	
		For 3,500 PSI Concrete, Add	*4.98*	
		For 3,750 PSI Concrete, Add	*6.78*	
		For 4,000 PSI Concrete, Add	*8.57*	
		For 4,500 PSI Concrete, Add	*9.97*	
		For 5,000 PSI Concrete, Add	*11.36*	
		For 6,000 PSI Concrete, Add	*26.91*	
		For 7,500 PSI Concrete, Add	*66.82*	
		For White Cement Concrete, Add	*11.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*9.97*	
		For Lightweight Aggregate, ASTM C330, Add	*29.90*	
		For Up To 20, Add	*95.48*	
		For >20 To 50, Add	*35.81*	
		For >100 To 200, Deduct	*-6.77*	
		For >200 To 400, Deduct	*-13.53*	
		For >400, Deduct	*-20.30*	
03 31 13 00-0088		Concrete Pumping With Boom Truck *(03 31 13 00-0010)* Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31 13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	171.77	
03 31 13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	186.67	
		For Each CY Of Concrete Pumped, Add	*1.25*	
03 31 13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	234.77	
		For Each CY Of Concrete Pumped, Add	*1.50*	
03 31 13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	265.92	
		For Each CY Of Concrete Pumped, Add	*1.50*	
03 31 13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	298.12	
		For Each CY Of Concrete Pumped, Add	*1.75*	
03 31 13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	366.37	
03 31 13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	412.17	
03 31 13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	510.82	
		For Each CY Of Concrete Pumped, Add	*2.25*	
03 31 13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	119.47	
03 31 13 00-0098		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	19.05	
03 31 13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	25.51	
03 31 13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy	34.02	
03 31 13 00-0102	CY	50' Haul, Motorized, Concrete Buggy	8.12	
03 31 13 00-0103	CY	150' Haul, Motorized, Concrete Buggy	10.88	
03 31 13 00-0104	CY	250' Haul, Motorized, Concrete Buggy	14.50	
03 31 13 00-0105		Delivery Fee For Small Purchases *(03 31 13)*		
03 31 13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	17.02	
03 31 13 00-0107		Delivery Fee For Concrete, Per Truck Load *(03 31 13)*		
03 31 13 00-0108	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	
03 31 13 00-0109		Equipment Pads *(03 31 13)*		
03 31 13 00-0110		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0109)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0111	SF	4" Equipment Pad With Welded Wire Reinforcement	13.88	
03 31 13 00-0112	SF	4" Equipment Pad With Rebar	17.20	
03 31 13 00-0113	SF	6" Equipment Pad With Rebar	21.59	
03 31 13 00-0114	SF	8" Equipment Pad With Rebar	27.11	

03 35 Concrete Finishing *(03 30)*

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Floor Finishes *(03 35 16)*
Note: Task is for final finish type and includes all required prior finishes.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0002	SF	Screed, Concrete Floor Finish	0.78	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	
03 35 16 00-0003	SF	Darby, Concrete Floor Finish	0.94	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.24*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.09*	
03 35 16 00-0004	SF	Broom, Concrete Floor Finish	1.04	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 16 00-0005	SF	Final Float, Concrete Floor Finish	1.20	
		For Up To 100, Add	*2.40*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 16 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.36	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	2.26

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.22

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork	12.81

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	23.26
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	31.24

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	3.08
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	2.79
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	2.67

03 35 39 Rusticated Concrete Finish *(03 35)*

03 35 39 00-0001 Rusticated Concrete Finish *(03 35 39)*

03 35 39 00-0002	SF	Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork	5.88
03 35 39 00-0003	SF	Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork	7.76

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.92
		For Up To 100, Add	*1.50*
		For >100 To 250, Add	*0.38*
		For >250 To 500, Add	*0.19*
		For >5,000 To 10,000, Deduct	*-0.04*
		For >10,000, Deduct	*-0.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.04	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.65	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.04*	

03 35 83 Wall Finishes *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.35	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.33*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.13*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.05	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.49*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	0.72	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.04*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	4.18	
		For Up To 100, Add	*8.30*	
		For >100 To 250, Add	*2.08*	
		For >250 To 500, Add	*1.04*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.42*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	6.47	
		For Up To 100, Add	*12.84*	
		For >100 To 250, Add	*3.21*	
		For >250 To 500, Add	*1.61*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000, Deduct	*-0.64*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	0.77	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.18*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.07*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	2.69	
		For Up To 100, Add	*5.24*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.66*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.26*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	4.10	
		For Up To 100, Add	*8.06*	
		For >100 To 250, Add	*2.02*	
		For >250 To 500, Add	*1.01*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.40*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes	2.59	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.56*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000, Deduct	*-0.22*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes	7.25	
		For Up To 100, Add	*13.08*	
		For >100 To 250, Add	*3.27*	
		For >250 To 500, Add	*1.64*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000, Deduct	*-0.65*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13		**Shotcrete** *(03 37)*		
03 37 13 00-0001		Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*		
03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.28	
		For Up To 25, Add	*0.56*	
		For >25 To 50, Add	*0.32*	
		For >50 To 150, Add	*0.11*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.28	
		For Up To 25, Add	*1.04*	
		For >25 To 50, Add	*0.59*	
		For >50 To 150, Add	*0.21*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.00	
		For Up To 25, Add	*1.46*	
		For >25 To 50, Add	*0.82*	
		For >50 To 150, Add	*0.28*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	11.52	
		For Up To 25, Add	*1.82*	
		For >25 To 50, Add	*1.02*	
		For >50 To 150, Add	*0.33*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	15.99	
		For Up To 25, Add	*2.41*	
		For >25 To 50, Add	*1.34*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0007		Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*		
		See CSI section 03 22 11 00-0001 for wire mesh reinforcing.		
03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	3.31	
		For Radius Or Irregular Surface, Add	*0.84*	
		For Up To 25, Add	*0.65*	
		For >25 To 50, Add	*0.38*	
		For >50 To 150, Add	*0.16*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	6.18	
		For Radius Or Irregular Surface, Add	*1.51*	
		For Up To 25, Add	*1.19*	
		For >25 To 50, Add	*0.69*	
		For >50 To 150, Add	*0.28*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	8.71	
		For Radius Or Irregular Surface, Add	*2.04*	
		For Up To 25, Add	*1.64*	
		For >25 To 50, Add	*0.95*	
		For >50 To 150, Add	*0.38*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.92	
		For Radius Or Irregular Surface, Add	*2.45*	
		For Up To 25, Add	*2.01*	
		For >25 To 50, Add	*1.16*	
		For >50 To 150, Add	*0.46*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.90	
		For Radius Or Irregular Surface, Add	*2.76*	
		For Up To 25, Add	*2.32*	
		For >25 To 50, Add	*1.33*	
		For >50 To 150, Add	*0.52*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.65	
		For Radius Or Irregular Surface, Add	*2.98*	
		For Up To 25, Add	*2.58*	
		For >25 To 50, Add	*1.48*	
		For >50 To 150, Add	*0.56*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	18.53	
		For Radius Or Irregular Surface, Add	*3.57*	
		For Up To 25, Add	*3.19*	
		For >25 To 50, Add	*1.82*	
		For >50 To 150, Add	*0.67*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	22.05	
		For Radius Or Irregular Surface, Add	*4.02*	
		For Up To 25, Add	*3.71*	
		For >25 To 50, Add	*2.11*	
		For >50 To 150, Add	*0.75*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.25	
		For Radius Or Irregular Surface, Add	*4.34*	
		For Up To 25, Add	*4.15*	
		For >25 To 50, Add	*2.35*	
		For >50 To 150, Add	*0.81*	
03 39		**Concrete Curing** *(03 30)*		
03 39 13		**Water Concrete Curing** *(03 39)*		
03 39 13 00-0001		Water Concrete Curing *(03 39 13)*		
03 39 13 00-0002	GAL	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	36.47	
03 39 23		**Membrane Concrete Curing** *(03 39)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Concrete Curing Materials And Compounds *(03 39 23 23)*

03 39 23 23-0002	CSF	7.5 Oz Burlap, Concrete Curing Blanket	28.60	
03 39 23 23-0003	CSF	9 Oz Burlap, Concrete Curing Blanket	29.71	
03 39 23 23-0004	CSF	12 Oz Burlap, Concrete Curing Blanket	30.20	
03 39 23 23-0005	CSF	2 Ply Reinforced, Concrete Curing Waterproof Paper	26.59	
03 39 23 23-0006	CSF	Curing Paper	8.22	

03 39 33 Concrete Surface Treatments *(03 39)*

03 39 33 00-0001 Concrete Surface Treatments *(03 39 33)*

03 39 33 00-0002	GAL	Acrylic Latex Bonding Agent, 250 SF Per Gallon	98.15	
03 39 33 00-0003	GAL	Epoxy Resin Bonding Agent, 80 SF Per Gallon	162.19	
03 39 33 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer Note: 300 SF/GAL.	0.25	
03 39 33 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer Note: 300 SF/GAL.	0.26	
03 39 33 00-0006	GAL	Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	62.39	
03 39 33 00-0007	GAL	Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	64.54	

03 39 33 00-0008 Shake On Floor Hardeners *(03 39 33)*

03 39 33 00-0009	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	0.91	
03 39 33 00-0010	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.34	
03 39 33 00-0011	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.87	
03 39 33 00-0012	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.00	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	267.70	214.17
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	297.58	238.02
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	315.99	252.78
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	334.98	268.00
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	358.49	286.78
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	383.14	306.51
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	411.42	329.12
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	447.46	357.94
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	486.52	389.27

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	7.69
		For 3,500 PSI Concrete, Add	*0.15*
		For 4,000 PSI Concrete, Add	*0.23*
		For 4,500 PSI Concrete, Add	*0.31*
		For 5,000 PSI Concrete, Add	*0.46*
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	9.22
		For 3,500 PSI Concrete, Add	*0.18*
		For 4,000 PSI Concrete, Add	*0.28*
		For 4,500 PSI Concrete, Add	*0.37*
		For 5,000 PSI Concrete, Add	*0.55*
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	11.27
		For 3,500 PSI Concrete, Add	*0.23*
		For 4,000 PSI Concrete, Add	*0.34*
		For 4,500 PSI Concrete, Add	*0.45*
		For 5,000 PSI Concrete, Add	*0.68*
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	14.96
		For 3,500 PSI Concrete, Add	*0.30*
		For 4,000 PSI Concrete, Add	*0.45*
		For 4,500 PSI Concrete, Add	*0.60*
		For 5,000 PSI Concrete, Add	*0.90*

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0018		**Erection Costs For Using 90 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	330.33	264.25
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	360.05	288.07
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	397.94	318.32
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	441.87	353.48
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	496.71	397.33
03 41 16 00-0024		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	415.19	332.18
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	452.54	362.00
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	500.17	400.16
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	555.38	444.32
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	624.30	499.49
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	678.80	543.00
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	750.26	600.20
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	830.38	664.34
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	939.88	751.91
03 41 16 00-0034		**Material Cost** *(03 41 16 00-0017)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		**4" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	809.53	
		For 3,500 PSI Concrete, Add	*16.19*	
		For 4,000 PSI Concrete, Add	*24.29*	
		For 4,500 PSI Concrete, Add	*32.38*	
		For 5,000 PSI Concrete, Add	*48.57*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	819.78	
		For 3,500 PSI Concrete, Add	*16.40*	
		For 4,000 PSI Concrete, Add	*24.59*	
		For 4,500 PSI Concrete, Add	*32.79*	
		For 5,000 PSI Concrete, Add	*49.19*	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	922.25	
		For 3,500 PSI Concrete, Add	*18.45*	
		For 4,000 PSI Concrete, Add	*27.67*	
		For 4,500 PSI Concrete, Add	*36.89*	
		For 5,000 PSI Concrete, Add	*55.34*	
03 41 16 00-0039		**5" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	830.03	
		For 3,500 PSI Concrete, Add	*16.60*	
		For 4,000 PSI Concrete, Add	*24.90*	
		For 4,500 PSI Concrete, Add	*33.20*	
		For 5,000 PSI Concrete, Add	*49.80*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	860.77	
		For 3,500 PSI Concrete, Add	*17.22*	
		For 4,000 PSI Concrete, Add	*25.82*	
		For 4,500 PSI Concrete, Add	*34.43*	
		For 5,000 PSI Concrete, Add	*51.65*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	1,096.45	
		For 3,500 PSI Concrete, Add	*21.93*	
		For 4,000 PSI Concrete, Add	*32.89*	
		For 4,500 PSI Concrete, Add	*43.86*	
		For 5,000 PSI Concrete, Add	*65.79*	
03 41 16 00-0043		**6" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	860.77	
		For 3,500 PSI Concrete, Add	*17.22*	
		For 4,000 PSI Concrete, Add	*25.82*	
		For 4,500 PSI Concrete, Add	*34.43*	
		For 5,000 PSI Concrete, Add	*51.65*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	1,024.72	
		For 3,500 PSI Concrete, Add	*20.49*	
		For 4,000 PSI Concrete, Add	*30.74*	
		For 4,500 PSI Concrete, Add	*40.99*	
		For 5,000 PSI Concrete, Add	*61.48*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	1,250.16	
		For 3,500 PSI Concrete, Add	*25.00*	
		For 4,000 PSI Concrete, Add	*37.50*	
		For 4,500 PSI Concrete, Add	*50.01*	
		For 5,000 PSI Concrete, Add	*75.01*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0001		**Structural Wall Panels** *(03 41 19)* Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002		**Erection Cost Using 50 Ton Hydraulic Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	263.30	210.65
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	292.69	234.11
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	329.48	263.60
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	352.60	282.07
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	376.84	301.47
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	404.66	323.71
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	440.10	352.06
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	478.53	382.87
03 41 19 00-0011		**Erection Cost Using 90 Ton Crawler Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	297.15	237.69
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	330.33	264.25
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	371.85	297.52
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	397.94	318.32
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	425.30	340.24
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	456.70	365.38
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	496.71	397.33
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	540.07	432.01
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	596.92	477.57
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	660.67	528.51
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	747.78	598.26
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	850.60	680.48
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	986.21	788.98
03 41 19 00-0025		**Material Cost** *(03 41 19 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	10.25	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For 4,500 PSI Concrete, Add	*0.41*	
		For 5,000 PSI Concrete, Add	*0.62*	
		For White Facing, Add	*2.05*	
		For Solid White Through Thickness, Add	*2.05*	
		For Broken Rib Finish, Add	*1.03*	
		For Fluted Surface, Add	*1.03*	
		For Exposed Aggregate, Add	*2.05*	
		For Sandblasting Of Surface, Add	*1.03*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	12.60	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.50*	
		For 5,000 PSI Concrete, Add	*0.76*	
		For White Facing, Add	*2.52*	
		For Solid White Through Thickness, Add	*2.52*	
		For Broken Rib Finish, Add	*1.26*	
		For Fluted Surface, Add	*1.26*	
		For Exposed Aggregate, Add	*2.52*	
		For Sandblasting Of Surface, Add	*1.26*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	15.17	
		For 3,500 PSI Concrete, Add	*0.30*	
		For 4,000 PSI Concrete, Add	*0.46*	
		For 4,500 PSI Concrete, Add	*0.61*	
		For 5,000 PSI Concrete, Add	*0.91*	
		For White Facing, Add	*3.03*	
		For Solid White Through Thickness, Add	*3.03*	
		For Broken Rib Finish, Add	*1.52*	
		For Fluted Surface, Add	*1.52*	
		For Exposed Aggregate, Add	*3.03*	
		For Sandblasting Of Surface, Add	*1.52*	
		For 2" Polystyrene Insulation, Add	*1.15*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	19.98	
		For 3,500 PSI Concrete, Add	*0.40*	
		For 4,000 PSI Concrete, Add	*0.60*	
		For 4,500 PSI Concrete, Add	*0.80*	
		For 5,000 PSI Concrete, Add	*1.20*	
		For White Facing, Add	*4.00*	
		For Solid White Through Thickness, Add	*4.00*	
		For Broken Rib Finish, Add	*2.00*	
		For Fluted Surface, Add	*2.00*	
		For Exposed Aggregate, Add	*4.00*	
		For Sandblasting Of Surface, Add	*2.00*	
		For 2" Polystyrene Insulation, Add	*1.15*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0030		**Partition Panels** *(03 41 19)*		
03 41 19 00-0031		**Erection Costs Using 20 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	213.79	171.01
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	237.66	190.14
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	267.53	214.01
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	305.99	244.78
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	328.57	262.88
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	357.36	285.88
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	388.55	310.88
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	429.46	343.58
03 41 19 00-0040		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	263.30	210.65
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	292.69	234.11
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	329.48	263.60
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	376.84	301.47
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	404.66	323.71
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	440.10	352.06
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	478.53	382.87
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	528.90	423.09
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	585.38	468.31
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	662.58	530.02
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	753.68	602.94
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	873.84	699.03
03 41 19 00-0053		**Material Cost** *(03 41 19 00-0030)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	9.73	
		For 4,000 PSI Concrete, Add	*0.29*	
		For 4,500 PSI Concrete, Add	*0.39*	
		For 5,000 PSI Concrete, Add	*0.58*	
		For White Facing, Add	*1.95*	
		For Solid White Through Thickness, Add	*1.95*	
		For Broken Rib Finish, Add	*0.97*	
		For Fluted Surface, Add	*0.97*	
		For Exposed Aggregate, Add	*1.95*	
		For Sandblasting Of Surface, Add	*0.97*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	11.99	
		For 4,000 PSI Concrete, Add	*0.36*	
		For 4,500 PSI Concrete, Add	*0.48*	
		For 5,000 PSI Concrete, Add	*0.72*	
		For White Facing, Add	*2.40*	
		For Solid White Through Thickness, Add	*2.40*	
		For Broken Rib Finish, Add	*1.20*	
		For Fluted Surface, Add	*1.20*	
		For Exposed Aggregate, Add	*2.40*	
		For Sandblasting Of Surface, Add	*1.20*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	14.35	
		For 4,000 PSI Concrete, Add	*0.43*	
		For 4,500 PSI Concrete, Add	*0.57*	
		For 5,000 PSI Concrete, Add	*0.86*	
		For White Facing, Add	*2.87*	
		For Solid White Through Thickness, Add	*2.87*	
		For Broken Rib Finish, Add	*1.44*	
		For Fluted Surface, Add	*1.44*	
		For Exposed Aggregate, Add	*2.87*	
		For Sandblasting Of Surface, Add	*1.44*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	18.96	
		For 4,000 PSI Concrete, Add	*0.57*	
		For 4,500 PSI Concrete, Add	*0.76*	
		For 5,000 PSI Concrete, Add	*1.14*	
		For White Facing, Add	*3.79*	
		For Solid White Through Thickness, Add	*3.79*	
		For Broken Rib Finish, Add	*1.90*	
		For Fluted Surface, Add	*1.90*	
		For Exposed Aggregate, Add	*3.79*	
		For Sandblasting Of Surface, Add	*1.90*	
03 41 19 00-0058		**Cladding Panels** *(03 41 19)*		
03 41 19 00-0059		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0058)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	277.86	222.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	310.79	248.62
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	352.60	282.07
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	376.84	301.47
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	404.66	323.71
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	440.10	352.06
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	478.53	382.87
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	528.90	423.09

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	313.59	250.84
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	350.76	280.61
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	397.94	318.32
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	425.30	340.24
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	456.70	365.38
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	496.71	397.33
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	540.07	432.01
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	596.92	477.57
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	660.67	528.51
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	747.78	598.26
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	850.60	680.48
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	986.21	788.98

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	9.73
		For 3,500 PSI Concrete, Add	*0.19*
		For 4,000 PSI Concrete, Add	*0.29*
		For 4,500 PSI Concrete, Add	*0.39*
		For 5,000 PSI Concrete, Add	*0.58*
		For White Facing, Add	*1.95*
		For Solid White Through Thickness, Add	*1.95*
		For Broken Rib Finish, Add	*0.97*
		For Fluted Surface, Add	*0.97*
		For Exposed Aggregate, Add	*1.95*
		For Sandblasting Of Surface, Add	*0.97*
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	11.99
		For 3,500 PSI Concrete, Add	*0.24*
		For 4,000 PSI Concrete, Add	*0.36*
		For 4,500 PSI Concrete, Add	*0.48*
		For 5,000 PSI Concrete, Add	*0.72*
		For White Facing, Add	*2.40*
		For Solid White Through Thickness, Add	*2.40*
		For Broken Rib Finish, Add	*1.20*
		For Fluted Surface, Add	*1.20*
		For Exposed Aggregate, Add	*2.40*
		For Sandblasting Of Surface, Add	*1.20*
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	14.35
		For 3,500 PSI Concrete, Add	*0.29*
		For 4,000 PSI Concrete, Add	*0.43*
		For 4,500 PSI Concrete, Add	*0.57*
		For 5,000 PSI Concrete, Add	*0.86*
		For White Facing, Add	*2.87*
		For Solid White Through Thickness, Add	*2.87*
		For Broken Rib Finish, Add	*1.44*
		For Fluted Surface, Add	*1.44*
		For Exposed Aggregate, Add	*2.87*
		For Sandblasting Of Surface, Add	*1.44*
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	18.96
		For 3,500 PSI Concrete, Add	*0.38*
		For 4,000 PSI Concrete, Add	*0.57*
		For 4,500 PSI Concrete, Add	*0.76*
		For 5,000 PSI Concrete, Add	*1.14*
		For White Facing, Add	*3.79*
		For Solid White Through Thickness, Add	*3.79*
		For Broken Rib Finish, Add	*1.90*
		For Fluted Surface, Add	*1.90*
		For Exposed Aggregate, Add	*3.79*
		For Sandblasting Of Surface, Add	*1.90*

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	277.86	222.24
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	310.79	248.62
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	352.60	282.07
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	376.84	301.47
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	404.66	323.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	440.10	352.06
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	478.53	382.87
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	528.90	423.09

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	282.50	225.95
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	315.99	252.78
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	358.49	286.78
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	383.14	306.51
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	411.42	329.12
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	447.46	357.94
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	486.52	389.27
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	537.73	430.16
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	595.16	476.14
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	673.65	538.88
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	766.27	613.02
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	888.43	710.71

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	13.32
		For 3,500 PSI Concrete, Add	*0.27*
		For 4,000 PSI Concrete, Add	*0.40*
		For 4,500 PSI Concrete, Add	*0.53*
		For 5,000 PSI Concrete, Add	*0.80*
		For White Facing, Add	*2.66*
		For Solid White Through Thickness, Add	*2.66*
		For Broken Rib Finish, Add	*1.33*
		For Fluted Surface, Add	*1.33*
		For Exposed Aggregate, Add	*2.66*
		For Sandblasting Of Surface, Add	*1.33*
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	15.68
		For 3,500 PSI Concrete, Add	*0.31*
		For 4,000 PSI Concrete, Add	*0.47*
		For 4,500 PSI Concrete, Add	*0.63*
		For 5,000 PSI Concrete, Add	*0.94*
		For White Facing, Add	*3.14*
		For Solid White Through Thickness, Add	*3.14*
		For Broken Rib Finish, Add	*1.57*
		For Fluted Surface, Add	*1.57*
		For Exposed Aggregate, Add	*3.14*
		For Sandblasting Of Surface, Add	*1.57*
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	18.24
		For 3,500 PSI Concrete, Add	*0.36*
		For 4,000 PSI Concrete, Add	*0.55*
		For 4,500 PSI Concrete, Add	*0.73*
		For 5,000 PSI Concrete, Add	*1.09*
		For White Facing, Add	*3.65*
		For Solid White Through Thickness, Add	*3.65*
		For Broken Rib Finish, Add	*1.82*
		For Fluted Surface, Add	*1.82*
		For Exposed Aggregate, Add	*3.65*
		For Sandblasting Of Surface, Add	*1.82*
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	23.06
		For 3,500 PSI Concrete, Add	*0.46*
		For 4,000 PSI Concrete, Add	*0.69*
		For 4,500 PSI Concrete, Add	*0.92*
		For 5,000 PSI Concrete, Add	*1.38*
		For White Facing, Add	*4.61*
		For Solid White Through Thickness, Add	*4.61*
		For Broken Rib Finish, Add	*2.31*
		For Fluted Surface, Add	*2.31*
		For Exposed Aggregate, Add	*4.61*
		For Sandblasting Of Surface, Add	*2.31*

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	292.69	234.11
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	310.79	248.62
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	329.48	263.60
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	352.60	282.07
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	376.84	301.47
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	404.66	323.71
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	440.10	352.06
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	478.53	382.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0010		Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	292.69	234.11
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	310.79	248.62
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	329.48	263.60
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	352.60	282.07
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	376.84	301.47
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	404.66	323.71
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	440.10	352.06
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	478.53	382.87
03 41 23 00-0019		Material Cost *(03 41 23)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	205.37	
		For 3,500 PSI Concrete, Add	*26.80*	
		For 4,000 PSI Concrete, Add	*50.36*	
		For 4,500 PSI Concrete, Add	*74.02*	
		For 5,000 PSI Concrete, Add	*100.69*	
03 41 26		**Precast Concrete Structural Sections** ***(03 41)***		
03 41 26 00-0001		Precast Beams, Girder And Joists *(03 41 26)*		
03 41 26 00-0002		Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	371.85	297.52
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	397.94	318.32
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	425.30	340.24
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	456.70	365.38
03 41 26 00-0007		Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	467.38	373.86
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	500.17	400.16
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	534.56	427.65
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	574.02	459.19
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	624.30	499.49
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	678.80	543.00
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	750.26	600.20
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	830.38	664.34
03 41 26 00-0016		Material Cost *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		1,000 LB/LF Live Load *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	41.07	
		For 3,500 PSI Concrete, Add	*1.12*	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.37*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	51.33	
		For 3,500 PSI Concrete, Add	*1.40*	
		For 4,000 PSI Concrete, Add	*2.10*	
		For 4,500 PSI Concrete, Add	*2.80*	
		For 5,000 PSI Concrete, Add	*4.21*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	61.60	
		For 3,500 PSI Concrete, Add	*1.68*	
		For 4,000 PSI Concrete, Add	*2.53*	
		For 4,500 PSI Concrete, Add	*3.36*	
		For 5,000 PSI Concrete, Add	*5.05*	
03 41 26 00-0021		3,000 LB/LF Live Load *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	51.33	
		For 3,500 PSI Concrete, Add	*1.40*	
		For 4,000 PSI Concrete, Add	*2.10*	
		For 4,500 PSI Concrete, Add	*2.80*	
		For 5,000 PSI Concrete, Add	*4.21*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	61.60	
		For 3,500 PSI Concrete, Add	*1.68*	
		For 4,000 PSI Concrete, Add	*2.53*	
		For 4,500 PSI Concrete, Add	*3.36*	
		For 5,000 PSI Concrete, Add	*5.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	82.13	
		For 3,500 PSI Concrete, Add	*2.24*	
		For 4,000 PSI Concrete, Add	*3.37*	
		For 4,500 PSI Concrete, Add	*4.48*	
		For 5,000 PSI Concrete, Add	*6.73*	

03 41 26 00-0025 5,000 LB/LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0026	LF	Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	71.87	
		For 3,500 PSI Concrete, Add	*1.96*	
		For 4,000 PSI Concrete, Add	*2.95*	
		For 4,500 PSI Concrete, Add	*3.92*	
		For 5,000 PSI Concrete, Add	*5.89*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	82.13	
		For 3,500 PSI Concrete, Add	*2.24*	
		For 4,000 PSI Concrete, Add	*3.37*	
		For 4,500 PSI Concrete, Add	*4.48*	
		For 5,000 PSI Concrete, Add	*6.73*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	102.67	
		For 3,500 PSI Concrete, Add	*2.80*	
		For 4,000 PSI Concrete, Add	*4.21*	
		For 4,500 PSI Concrete, Add	*5.61*	
		For 5,000 PSI Concrete, Add	*8.42*	

03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	214.34	171.45
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	227.89	182.28
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	244.23	195.39
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	261.98	209.57
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	282.50	225.95
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	306.51	245.21
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	334.98	268.00

03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	212.56	
		For 3,500 PSI Concrete, Add	*15.94*	
		For 4,000 PSI Concrete, Add	*29.97*	
		For 4,500 PSI Concrete, Add	*44.21*	
		For 5,000 PSI Concrete, Add	*60.15*	

03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	217.80	
		For 3,500 PSI Concrete, Add	*16.34*	
		For 4,000 PSI Concrete, Add	*30.71*	
		For 4,500 PSI Concrete, Add	*45.30*	
		For 5,000 PSI Concrete, Add	*61.64*	

03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	218.22	
		For 3,500 PSI Concrete, Add	*16.37*	
		For 4,000 PSI Concrete, Add	*30.77*	
		For 4,500 PSI Concrete, Add	*45.39*	
		For 5,000 PSI Concrete, Add	*61.76*	

03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	218.22	
		For 3,500 PSI Concrete, Add	*16.37*	
		For 4,000 PSI Concrete, Add	*30.77*	
		For 4,500 PSI Concrete, Add	*45.39*	
		For 5,000 PSI Concrete, Add	*61.76*	

03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	218.22	
		For 3,500 PSI Concrete, Add	*16.37*	
		For 4,000 PSI Concrete, Add	*30.77*	
		For 4,500 PSI Concrete, Add	*45.39*	
		For 5,000 PSI Concrete, Add	*61.76*	

03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	217.80	
		For 3,500 PSI Concrete, Add	*16.34*	
		For 4,000 PSI Concrete, Add	*30.71*	
		For 4,500 PSI Concrete, Add	*45.30*	
		For 5,000 PSI Concrete, Add	*61.64*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	218.22	
		For 3,500 PSI Concrete, Add	*16.37*	
		For 4,000 PSI Concrete, Add	*30.77*	
		For 4,500 PSI Concrete, Add	*45.39*	
		For 5,000 PSI Concrete, Add	*61.76*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	5.81	1.75
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	6.93	1.75
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	8.07	1.84
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	9.21	1.92
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	11.64	2.27
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	19.07	6.22
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	14.62	3.77
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	16.52	3.24
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	7.67	0.70
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	7.98	0.70
03 41 33 00-0019		Prestressed Double Tee *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	12.25	0.62
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	16.71	0.62
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	8.89	1.05
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	13.04	0.70
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	9.88	1.40
03 41 33 00-0025		Prestressed Single Tee *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	15.26	1.57
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	16.90	0.97
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	22.03	0.88
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	23.16	0.88
03 41 33 00-0030		Prestressed Double Tee Floor Members *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	3,806.29	252.06
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	4,149.29	280.06
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	6,811.40	315.07
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	1,600.81	229.22
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,060.70	252.06
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	2,574.11	252.06
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	2,865.77	280.06
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	3,628.26	315.07
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	6,354.46	360.23
03 41 33 00-0040		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*		
03 41 33 00-0041	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	8.00	
03 41 33 00-0042	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	8.37	
03 41 33 00-0043	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	8.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0044	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	9.35	
03 41 33 00-0045	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	10.16	
03 41 33 00-0046		Double And Single Tees *(03 41 33)*		
03 41 33 00-0047		Double And Single Tees With 16" Roof And Floor Loading *(03 41 33 00-0046)*		
03 41 33 00-0048	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	9.90	
03 41 33 00-0049	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	9.64	
03 41 33 00-0050	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	9.09	
03 41 33 00-0051	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	9.90	
03 41 33 00-0052	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	9.82	
03 41 33 00-0053	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	14.71	
03 41 33 00-0054	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	14.35	
03 41 33 00-0055	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	13.43	
03 41 33 00-0056	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	14.71	
03 41 33 00-0057	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	13.80	
03 41 33 00-0058		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0046)*		
03 41 33 00-0059	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	10.18	
03 41 33 00-0060	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	9.92	
03 41 33 00-0061	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	9.55	
03 41 33 00-0062	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	10.18	
03 41 33 00-0063	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	9.82	
03 41 33 00-0064	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	15.08	
03 41 33 00-0065	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	14.72	
03 41 33 00-0066	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	14.17	
03 41 33 00-0067	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	15.08	
03 41 33 00-0068	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	14.63	
03 41 33 00-0069		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0046)*		
03 41 33 00-0070	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	10.76	
03 41 33 00-0071	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	10.40	
03 41 33 00-0072	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	10.02	
03 41 33 00-0073	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	16.03	
03 41 33 00-0074	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	15.48	
03 41 33 00-0075	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	14.82	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	14.25	3.06

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	121.58	54.73
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	145.80	65.59

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	811.21
		For 3,500 PSI Concrete, Add	*52.93*
		For 4,000 PSI Concrete, Add	*99.45*
		For 4,500 PSI Concrete, Add	*146.18*
		For 5,000 PSI Concrete, Add	*198.87*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	842.02
		For 3,500 PSI Concrete, Add	*54.94*
		For 4,000 PSI Concrete, Add	*103.23*
		For 4,500 PSI Concrete, Add	*151.73*
		For 5,000 PSI Concrete, Add	*206.42*
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	872.82
		For 3,500 PSI Concrete, Add	*56.95*
		For 4,000 PSI Concrete, Add	*107.01*
		For 4,500 PSI Concrete, Add	*157.28*
		For 5,000 PSI Concrete, Add	*213.97*
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	913.90
		For 3,500 PSI Concrete, Add	*59.63*
		For 4,000 PSI Concrete, Add	*112.04*
		For 4,500 PSI Concrete, Add	*164.68*
		For 5,000 PSI Concrete, Add	*224.04*

03 48 22 Precast Concrete Sun Screen And Trellis *(03 48)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0001		Sun Screen Blades *(03 48 22)*		
03 48 22 00-0002		Installation Cost *(03 48 22 00-0001)*		
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	60.78	27.37
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	73.03	32.84
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	91.25	41.09
03 48 22 00-0006		Material Cost *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	862.55	
		For 3,500 PSI Concrete, Add	*56.28*	
		For 4,000 PSI Concrete, Add	*105.75*	
		For 4,500 PSI Concrete, Add	*155.43*	
		For 5,000 PSI Concrete, Add	*211.45*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	893.36	
		For 3,500 PSI Concrete, Add	*58.29*	
		For 4,000 PSI Concrete, Add	*109.53*	
		For 4,500 PSI Concrete, Add	*160.98*	
		For 5,000 PSI Concrete, Add	*219.01*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	934.43	
		For 3,500 PSI Concrete, Add	*60.97*	
		For 4,000 PSI Concrete, Add	*114.56*	
		For 4,500 PSI Concrete, Add	*168.38*	
		For 5,000 PSI Concrete, Add	*229.08*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	975.51	
		For 3,500 PSI Concrete, Add	*63.65*	
		For 4,000 PSI Concrete, Add	*119.60*	
		For 4,500 PSI Concrete, Add	*175.79*	
		For 5,000 PSI Concrete, Add	*239.15*	
03 48 22 00-0011		Sun Screen/Trellis Units *(03 48 22)*		
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	277.86	125.02
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	310.79	139.90
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	352.60	158.65
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	376.84	169.58
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	996.05	
		For 3,500 PSI Concrete, Add	*64.99*	
		For 4,000 PSI Concrete, Add	*122.12*	
		For 4,500 PSI Concrete, Add	*179.49*	
		For 5,000 PSI Concrete, Add	*244.18*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	1,026.85	
		For 3,500 PSI Concrete, Add	*67.00*	
		For 4,000 PSI Concrete, Add	*125.89*	
		For 4,500 PSI Concrete, Add	*185.04*	
		For 5,000 PSI Concrete, Add	*251.73*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,067.92	
		For 3,500 PSI Concrete, Add	*69.68*	
		For 4,000 PSI Concrete, Add	*130.93*	
		For 4,500 PSI Concrete, Add	*192.44*	
		For 5,000 PSI Concrete, Add	*261.80*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,119.27	
		For 3,500 PSI Concrete, Add	*73.03*	
		For 4,000 PSI Concrete, Add	*137.22*	
		For 4,500 PSI Concrete, Add	*201.69*	
		For 5,000 PSI Concrete, Add	*274.39*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	270.37	216.30
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	302.99	242.40
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	342.58	274.06
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	365.42	292.34
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	285.75	228.65
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	320.71	256.54
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	363.22	290.55
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	389.00	311.17

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*			
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane		548.13	438.55
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane		662.58	530.02
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane		735.30	588.25
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane		825.95	660.79
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*			
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane		299.97	239.95
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane		334.97	267.93
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane		381.61	305.24
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane		407.40	325.88
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.			
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*			
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane		274.89	219.92
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane		308.05	246.45
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane		348.30	278.64
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane		371.53	297.22
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*			
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane		290.52	232.47
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane		326.07	260.82
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane		369.29	295.40
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane		395.50	316.37
03 48 24 00-0033		Platform Segment *(03 48 24 00-0022)*			
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane		444.22	355.36
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane		537.73	430.16
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane		595.16	476.14
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane		673.65	538.88
03 48 24 00-0038		Cap Segment *(03 48 24 00-0022)*			
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane		304.98	243.96
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane		340.57	272.41
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane		387.98	310.34
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane		414.20	331.32
03 48 24 00-0043		Material Costs *(03 48 24)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete		2,464.30	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete		2,464.30	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete		2,464.30	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete		2,464.30	
03 48 29		**Precast Accessories** *(03 48)* Note: Includes installation labor, material and equipment.			
03 48 29 00-0001		Bearing Pads For Precast Members *(03 48 29)*			
03 48 29 00-0002		Continuous 2" Wide Strips *(03 48 29 00-0001)*			
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members		1.34	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.		2.02	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members		3.52	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members		5.02	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members		6.57	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members		9.54	
03 48 29 00-0009		Bearing Pad Pipe Supports *(03 48 29)*			
03 48 29 00-0010	LF	4" x 4" Precast Pipe Support		6.87	
03 48 46		**Precast Skylight Shells** *(03 48)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	397.94	179.10
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	441.87	198.86
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	496.71	223.52
03 48 46 00-0005		Material Cost *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,030.99	

03 48 49 Precast Landings *(03 48)*

03 48 49 00-0001	SF	3" Thick Precast Landing	33.89	
03 48 49 00-0002	SF	4" Thick Precast Landing	39.07	
03 48 49 00-0003	SF	5" Thick Precast Landing	44.97	
03 48 49 00-0004	SF	6" Thick Precast Landing	51.99	

03 50 Cast Decks And Underlayment *(03)*

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 00 00-0001		Integral Topping Including Hard Trowel Finish *(03 53)*		
		Note: Using 1:1:2 mix.		
03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.94	
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.15	
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.48	
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.91	
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.03	
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.29	
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.64	
03 53 00 00-0009		Granolithic Topping Laid After *(03 53)*		
		Note: Using 1:1:1-1/2 mix.		
03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.29	
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.50	
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.30	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)*		
		Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.49	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.14	
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	3.44	
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.75	
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	6.05	
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.79	
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	8.66	
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.27	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001		Cementitious Flowable Grout *(03 61 16)*		
03 61 16 00-0002	CY	Cementitious Flowable Grout	299.50	

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	18.46	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	26.35	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	27.85	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	43.38	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.49	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.91	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.55	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.14	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.81	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.74	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	24.52	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	36.94	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.28	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.60	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.74	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.19	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.92	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	811.53	

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	63.11	

03 80 Concrete Cutting And Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0046 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0046 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0069 for core drilling.

END OF SECTION 03

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 05 Common Work Results For Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.49	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.56	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.84*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.85	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.62	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.67	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.69	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.89	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.77	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.81	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.89	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.11	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.41	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.56	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.62	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.76	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.99*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.03	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.30	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.42	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.12*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.24	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.21*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.93	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.99	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.31	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.76*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.70	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.15	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.81*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	28.85	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.89*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.11	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.66	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.13*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.36	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.70	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.48*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.48	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.57*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.65	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.93*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.17	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.05*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	46.68	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.18*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	54.08	
		For >10 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-4.45*	
		For >100, Deduct	*-8.91*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	55.88	
		For >10 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-9.00*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.09	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.33	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.72	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	12.74	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	12.95	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.10	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	14.22	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.29	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.68	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.90	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.92	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.46	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	26.69	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.23*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	27.69	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.28*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	28.77	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.34*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.20	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.41*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.51	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.73*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.83	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.04*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.86	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.14*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	35.59	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.23*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	35.80	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	37.43	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	41.65	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	47.61	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.83*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	48.46	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.17	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-4.15*	
		For >100, Deduct	*-8.30*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	77.98	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-4.37*	
		For >100, Deduct	*-8.74*	
05 05 19 00-0068		316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*		
		Note: Includes nut and washer.		
05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	10.30	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	10.81	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.41	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.77	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.86	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	15.55	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.43*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.91	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.89	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.67	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.12	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	32.15	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.51*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	32.69	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.53*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	39.47	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.42*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	41.69	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.53*	
05 05 19 00-0083		Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*		
		Note: Includes nut and washer.		
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	18.50	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.27*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		19.25	
		For >10 To 50, Deduct		*-0.78*	
		For >50 To 100, Deduct		*-1.66*	
		For >100, Deduct		*-3.31*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		20.00	
		For >10 To 50, Deduct		*-0.78*	
		For >50 To 100, Deduct		*-1.67*	
		For >100, Deduct		*-3.35*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		20.38	
		For >10 To 50, Deduct		*-0.78*	
		For >50 To 100, Deduct		*-1.68*	
		For >100, Deduct		*-3.37*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		24.72	
		For >10 To 50, Deduct		*-0.97*	
		For >50 To 100, Deduct		*-2.07*	
		For >100, Deduct		*-4.14*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		23.82	
		For >10 To 50, Deduct		*-0.97*	
		For >50 To 100, Deduct		*-2.05*	
		For >100, Deduct		*-4.09*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		31.38	
		For >10 To 50, Deduct		*-1.15*	
		For >50 To 100, Deduct		*-2.51*	
		For >100, Deduct		*-5.02*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		32.21	
		For >10 To 50, Deduct		*-1.15*	
		For >50 To 100, Deduct		*-2.53*	
		For >100, Deduct		*-5.06*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		36.26	
		For >10 To 50, Deduct		*-1.15*	
		For >50 To 100, Deduct		*-2.63*	
		For >100, Deduct		*-5.26*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		40.92	
		For >10 To 50, Deduct		*-1.61*	
		For >50 To 100, Deduct		*-3.44*	
		For >100, Deduct		*-6.89*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		43.25	
		For >10 To 50, Deduct		*-1.61*	
		For >50 To 100, Deduct		*-3.50*	
		For >100, Deduct		*-7.01*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt		45.57	
		For >10 To 50, Deduct		*-1.61*	
		For >50 To 100, Deduct		*-3.56*	
		For >100, Deduct		*-7.12*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor		9.57	
		For >10 To 50, Deduct		*-0.46*	
		For >50 To 100, Deduct		*-0.93*	
		For >100, Deduct		*-1.87*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor		9.66	
		For >10 To 50, Deduct		*-0.46*	
		For >50 To 100, Deduct		*-0.94*	
		For >100, Deduct		*-1.87*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor		9.78	
		For >10 To 50, Deduct		*-0.46*	
		For >50 To 100, Deduct		*-0.94*	
		For >100, Deduct		*-1.88*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor		10.07	
		For >10 To 50, Deduct		*-0.49*	
		For >50 To 100, Deduct		*-0.98*	
		For >100, Deduct		*-1.96*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor		10.16	
		For >10 To 50, Deduct		*-0.49*	
		For >50 To 100, Deduct		*-0.98*	
		For >100, Deduct		*-1.96*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor		11.41	
		For >10 To 50, Deduct		*-0.55*	
		For >50 To 100, Deduct		*-1.11*	
		For >100, Deduct		*-2.22*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor		11.58	
		For >10 To 50, Deduct		*-0.55*	
		For >50 To 100, Deduct		*-1.11*	
		For >100, Deduct		*-2.23*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor		11.73	
		For >10 To 50, Deduct		*-0.55*	
		For >50 To 100, Deduct		*-1.12*	
		For >100, Deduct		*-2.24*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor		16.40	
		For >10 To 50, Deduct		*-0.78*	
		For >50 To 100, Deduct		*-1.58*	
		For >100, Deduct		*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.60	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.78	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.99	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.49	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.92*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.80	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.94*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.04	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.95*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.70	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.94	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.52	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.04	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.87	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.79*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	10.53	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.39	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.34	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.37*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	19.70	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.41	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	28.60	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Long Concrete Strike Anchor	10.04	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Long Concrete Strike Anchor	10.20	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Long Concrete Strike Anchor	10.65	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Long Concrete Strike Anchor	11.33	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.02*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Long Concrete Strike Anchor	12.15	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Long Concrete Strike Anchor	12.65	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Long Concrete Strike Anchor	13.04	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Long Concrete Strike Anchor	17.65	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.23*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Long Concrete Strike Anchor	17.95	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Long Concrete Strike Anchor	18.83	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Long Concrete Strike Anchor	19.98	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Long Concrete Strike Anchor	23.15	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Long Concrete Strike Anchor	24.20	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Long Concrete Strike Anchor	25.14	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Long Concrete Strike Anchor	29.35	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Long Concrete Strike Anchor	30.35	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.29	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.25	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.17*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.69	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.19	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	26.33	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.79*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	15.27	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.69*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	20.00	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	24.61	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	30.12	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.28*	
		For >100, Deduct	*-4.56*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	39.97	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.73*	
		For >100, Deduct	*-5.47*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	9.71	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.34	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.97*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	11.70	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	16.99	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	23.02	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	27.70	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.83*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	9.75	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	11.61	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	12.01	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	16.97	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.38	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.41	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	12.05	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.06*	
		For >100, Deduct	*-2.13*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	13.83	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	17.19	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	20.01	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	21.01	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	25.99	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	33.32	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.11*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	39.00	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	52.94	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.49*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	74.83	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-4.92*	
		For >100, Deduct	*-9.85*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	11.39	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0183	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	14.27	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 19 00-0184	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.19	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 19 00-0185	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.64	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.93*	
05 05 19 00-0186	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	25.31	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.71*	
05 05 19 00-0187	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	27.98	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.13*	
05 05 19 00-0188	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.93	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.35*	
		For >100, Deduct	*-6.69*	
05 05 19 00-0189	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	42.21	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.59*	
05 05 19 00-0190	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	48.13	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-4.26*	
		For >100, Deduct	*-8.51*	
05 05 19 00-0191	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	51.83	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	56.77	
		For >10 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-9.50*	
05 05 19 00-0193	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	66.66	
		For >10 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-5.28*	
		For >100, Deduct	*-10.55*	
05 05 19 00-0194	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	87.04	
		For >10 To 50, Deduct	*-2.50*	
		For >50 To 100, Deduct	*-5.92*	
		For >100, Deduct	*-11.85*	

05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0196	EA	Grout Concrete Anchor Bolt or Threaded Rod	3.61	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.71*	

05 05 19 00-0197 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0198 Tapcon Masonry Screws *(05 05 19 00-0197)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0199	EA	3/16" x 1-1/4" Tapcon Masonry Screw	9.44	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 19 00-0200	EA	3/16" x 2-1/4" Tapcon Masonry Screw	9.48	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 19 00-0201	EA	3/16" x 3-1/4" Tapcon Masonry Screw	9.59	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0202	EA	1/4" x 1-1/4" Tapcon Masonry Screw	9.49	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 19 00-0203	EA	1/4" x 2-1/4" Tapcon Masonry Screw	9.55	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0204	EA	1/4" x 3-1/4" Tapcon Masonry Screw	9.68	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.87*	

05 05 19 00-0205 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0197)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0206	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	9.94	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 19 00-0207	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	10.19	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 19 00-0208	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	10.25	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 19 00-0209	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	10.37	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0210	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	10.48	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0211	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	10.69	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0212	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	10.96	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 19 00-0213	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	11.20	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.95*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	11.89	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0215	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	11.97	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0216	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	12.39	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0217	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	12.81	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0218	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	13.09	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.04*	
05 05 19 00-0219	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	12.97	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.04*	
05 05 19 00-0220	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	13.37	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
05 05 19 00-0221	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	14.30	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-2.10*	

05 05 19 00-0222 Pin Bolt Drives *(05 05 19 00-0197)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0223	EA	1/4" x 1" Pin Bolt Drive	5.83	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.12*	
05 05 19 00-0224	EA	1/4" x 1-1/4" Pin Bolt Drive	5.83	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.12*	
05 05 19 00-0225	EA	1/4" x 1-1/2" Pin Bolt Drive	5.87	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.13*	
05 05 19 00-0226	EA	1/4" x 2" Pin Bolt Drive	5.88	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.13*	

05 05 19 00-0227 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0197)*

05 05 19 00-0228	EA	1/4" Diameter Threaded Stud Powder Actuated Anchor	1.65	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.14*	
		For >100, Deduct	*-0.28*	
05 05 19 00-0229	EA	3/8" Diameter Threaded Stud Powder Actuated Anchor	2.18	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.34*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Drilling In Steel Plates *(05 05 23)*

05 05 23 00-0002	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	25.53	
		For Aluminum, Deduct	*-2.55*	
		For Stainless Steel, Add	*3.19*	
05 05 23 00-0003	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	34.18	
		For Aluminum, Deduct	*-3.42*	
		For Stainless Steel, Add	*4.27*	
05 05 23 00-0004	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	34.18	
		For Aluminum, Deduct	*-3.42*	
		For Stainless Steel, Add	*4.27*	
05 05 23 00-0005	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	22.79	
		For Aluminum, Deduct	*-2.28*	
		For Stainless Steel, Add	*2.85*	
05 05 23 00-0006	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	30.08	
		For Aluminum, Deduct	*-3.01*	
		For Stainless Steel, Add	*3.76*	
05 05 23 00-0007	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	36.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0008 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0266 for drilling into concrete, 02 41 19 13-0276 for drilling into brick or block, 02 41 19 13-0286 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.

05 05 23 00-0009 A307B Heavy Hex Bolts *(05 05 23 00-0008)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0010 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0009)*

05 05 23 00-0011	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	10.23	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 23 00-0012	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	11.05	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0013	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.07	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0014	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	13.08	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.17*	
05 05 23 00-0015	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.44	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.95*	
05 05 23 00-0016	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	14.78	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.25*	
05 05 23 00-0017	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.11	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.49*	
05 05 23 00-0018	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	19.39	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.63*	
05 05 23 00-0019	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.65	1.15
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.17*	
05 05 23 00-0020	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.39	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.45*	
05 05 23 00-0021	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.12	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0022	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.63	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.13*	
05 05 23 00-0023	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.22	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	
05 05 23 00-0024	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.07	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.91*	

05 05 23 00-0025 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0009)*

05 05 23 00-0026	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	10.64	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 23 00-0027	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	11.32	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.89*	
05 05 23 00-0028	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	12.06	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.93*	
05 05 23 00-0029	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.07	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0030	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	13.56	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.00*	
05 05 23 00-0031	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	16.85	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.35*	
05 05 23 00-0032	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	21.69	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0033	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	25.17	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 23 00-0034	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.59	1.15
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 23 00-0035	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.70	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.61*	
05 05 23 00-0036	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	24.39	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 23 00-0037	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	35.38	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
05 05 23 00-0038	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	35.69	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
05 05 23 00-0039	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	44.09	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.32*	

05 05 23 00-0040 A325 High Strength Structural Bolts *(05 05 23 00-0008)*

Note: Includes A325 heavy hex nut and two structural washers.

05 05 23 00-0041 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0040)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0042	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	10.04	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.83*	
05 05 23 00-0043	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	10.22	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 23 00-0044	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	10.80	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 23 00-0045	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	13.10	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.17*	
05 05 23 00-0046	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	14.92	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.33*	
05 05 23 00-0047	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	11.60	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0048	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	13.95	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.21*	
05 05 23 00-0049	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	15.68	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 23 00-0050	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	18.88	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0051	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	13.33	1.15
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-2.10*	
05 05 23 00-0052	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	15.99	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 23 00-0053	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	18.05	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0054	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	19.49	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 23 00-0055	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	14.60	1.19
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 23 00-0056	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	17.37	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.53*	
05 05 23 00-0057	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	19.87	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0058	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	24.90	1.49
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.10*	
05 05 23 00-0059	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	23.89	1.49
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 23 00-0060	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	26.90	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0061	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	31.27	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.67*	
05 05 23 00-0062	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	36.40	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.07*	

05 05 23 00-0063 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0040)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0064	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	10.41	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.84*	
05 05 23 00-0065	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	10.53	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0066	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	11.56	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0067	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	13.64	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0068	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	14.40	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 23 00-0069	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	11.95	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 23 00-0070	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	14.39	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0071	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	16.36	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0072	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	20.50	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.69*	
05 05 23 00-0073	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	15.43	1.15
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.21*	
05 05 23 00-0074	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	17.23	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0075	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	19.55	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0076	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	24.00	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.95*	
05 05 23 00-0077	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.23	1.19
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 23 00-0078	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.11	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 23 00-0079	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.00	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 23 00-0080	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	28.76	1.49
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 23 00-0081	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	28.60	1.49
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
05 05 23 00-0082	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	30.50	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 23 00-0083	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.40	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 23 00-0084	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.71	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.29*	

05 05 23 00-0085 A490 High Strength Structural Bolts *(05 05 23 00-0008)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0086 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0085)*

05 05 23 00-0087	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	11.09	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0088	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	15.06	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.27*	
05 05 23 00-0089	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	16.05	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 23 00-0090	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	12.20	1.06
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 23 00-0091	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	14.62	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 23 00-0092	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	16.76	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.42*	
05 05 23 00-0093	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	20.99	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0094	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	14.01	1.15
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.14*	
05 05 23 00-0095	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	16.20	1.26
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.39*	
05 05 23 00-0096	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	22.46	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 23 00-0097	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.19	1.19
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 23 00-0098	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	19.16	1.33
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 23 00-0099	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	21.80	1.40
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 23 00-0100	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	26.74	1.49
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 23 00-0101	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	33.70	1.58
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
05 05 23 00-0102	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	35.51	1.69
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.89*	
05 05 23 00-0103	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	37.13	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	

05 05 23 00-0104 Hex Head Bolts *(05 05 23 00-0008)*

05 05 23 00-0105 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0106 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*

05 05 23 00-0107	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.84	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0108	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.86	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0109	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0110	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0111	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0112	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0113	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0114	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.38	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0115	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0116	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0117	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.76	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0118	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.84	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0119	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0120	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0121	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0122	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.58	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0123		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*		
05 05 23 00-0124	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.88	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0125	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0126	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.94	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0127	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0128	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0129	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0130	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.28	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0131	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0132	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0133	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0134	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0135	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0136	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0137	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.65	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0138	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0139	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0140		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*		
05 05 23 00-0141	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0142	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0143	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0144	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0145	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0146	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0147	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0148	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.70	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0149	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.82	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0150	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.88	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0151	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.17	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0152	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0153	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0154	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.49	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0155	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0156	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0157		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0158	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0159	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.07	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0160	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.08	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0161	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0162	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0163	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0164	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0165	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.01	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0166	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0167	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.53	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0168	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0169	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0170	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0171	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0172	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	

05 05 23 00-0173 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*

05 05 23 00-0174	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.93	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0175	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0176	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.11	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0177	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0178	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0179	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.55	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0180	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.84	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0181	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0182	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0183	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.32	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0184	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0185	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0186	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0187	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0188	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0189	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0190	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0191	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0192	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0193 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*

05 05 23 00-0194	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0195	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0196	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.17	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0197	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.73	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0198	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0199	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0200	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0201	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0202	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.31	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0203	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0204	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.53	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0205	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0206	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0207	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0208	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0209	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0210	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0211	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0212	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0213		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*		
05 05 23 00-0214	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0215	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.19	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0216	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0217	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0218	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0219	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0220	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0221	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0222	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0223	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.16	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0224	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0225	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0226	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0227	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0228	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0229	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0230	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.58	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0231	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.95	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0232	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0233 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*

05 05 23 00-0234	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0235	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.54	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0236	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0237	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0238	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0239	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0240	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.87	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0241	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0242	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0243	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0244	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0245	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.55	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0246	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0247	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0248	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.94	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0249	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.61	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0250	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0251	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0252	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.00	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0253 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*

05 05 23 00-0254	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0255	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.20	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0256	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0257	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0258	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0259	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0260	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0261	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0262	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0263	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0264	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0265	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0266	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.78	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0267	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.29	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0268	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0269	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.43	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0270	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0271	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.45	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0272	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.97	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0273		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0105)*		
05 05 23 00-0274	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0275	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0276	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.35	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0277	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.07	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0278	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.73	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0279	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.58	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0280	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0281	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.88	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0282	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.37	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0283	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.69	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.24	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0285	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.97	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0286	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.51	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0287	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.09	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0288	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0289	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.35	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0290	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.92	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0291	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.49	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0292 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0293 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0294	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.88	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0295	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0296	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0297	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0298	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.20	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0299	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.28	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0300	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.38	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0301	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0302	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0303	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0304	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.06	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0305	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0306	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.21	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0307	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0308	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.58	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0309	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0310 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0311	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0312	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0313	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0314	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0315	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0316	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0317	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.50	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0318	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0319	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0320	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0321	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0322	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.38	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0323	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0324	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0325	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.07	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0326	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0327		**3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0292)*		
05 05 23 00-0328	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.96	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0329	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0330	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0331	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0332	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0333	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0334	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0335	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0336	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.17	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0337	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0338	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.65	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0339	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0340	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0341	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0342	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0343	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0344		**7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0292)*		
05 05 23 00-0345	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0346	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0347	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0348	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0349	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0350	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.65	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0351	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0352	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0353	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0354	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.05	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0355	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0356	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.30	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0357	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0358	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0359	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	

05 05 23 00-0360 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0361	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0362	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0363	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.19	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0364	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.49	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0365	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.63	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0366	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.77	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0367	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.07	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0368	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.53	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0369	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0370	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0371	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0372	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0373	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0374	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0375	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0376	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0377	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0378	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0379	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0380 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0381	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0382	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.42	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0383	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0384	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0385	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0386	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0387	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0388	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0389	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0390	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.09	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0392	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0393	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0394	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0395	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0396	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0397	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.82	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0398	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.00	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0399	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0400 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0401	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0402	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0403	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.35	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0404	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0405	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0406	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0407	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0408	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0409	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0410	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0411	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0412	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.44	
		For >100 To 250, Deduct		*-1.59*	
		For >250 To 500, Deduct		*-1.98*	
		For >500, Deduct		*-2.38*	
05 05 23 00-0413	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		12.15	
		For >100 To 250, Deduct		*-1.62*	
		For >250 To 500, Deduct		*-2.03*	
		For >500, Deduct		*-2.43*	
05 05 23 00-0414	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		12.64	
		For >100 To 250, Deduct		*-1.62*	
		For >250 To 500, Deduct		*-2.03*	
		For >500, Deduct		*-2.43*	
05 05 23 00-0415	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		12.71	
		For >100 To 250, Deduct		*-1.62*	
		For >250 To 500, Deduct		*-2.03*	
		For >500, Deduct		*-2.43*	
05 05 23 00-0416	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		13.76	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.07*	
		For >500, Deduct		*-2.48*	
05 05 23 00-0417	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		14.42	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.07*	
		For >500, Deduct		*-2.48*	
05 05 23 00-0418	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		15.38	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.07*	
		For >500, Deduct		*-2.48*	
05 05 23 00-0419	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		15.72	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.07*	
		For >500, Deduct		*-2.48*	

05 05 23 00-0420 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0421	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.80	
		For >100 To 250, Deduct		*-1.49*	
		For >250 To 500, Deduct		*-1.86*	
		For >500, Deduct		*-2.23*	
05 05 23 00-0422	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.90	
		For >100 To 250, Deduct		*-1.49*	
		For >250 To 500, Deduct		*-1.86*	
		For >500, Deduct		*-2.23*	
05 05 23 00-0423	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.96	
		For >100 To 250, Deduct		*-1.49*	
		For >250 To 500, Deduct		*-1.86*	
		For >500, Deduct		*-2.23*	
05 05 23 00-0424	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		9.32	
		For >100 To 250, Deduct		*-1.52*	
		For >250 To 500, Deduct		*-1.90*	
		For >500, Deduct		*-2.28*	
05 05 23 00-0425	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		9.57	
		For >100 To 250, Deduct		*-1.52*	
		For >250 To 500, Deduct		*-1.90*	
		For >500, Deduct		*-2.28*	
05 05 23 00-0426	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		9.95	
		For >100 To 250, Deduct		*-1.52*	
		For >250 To 500, Deduct		*-1.90*	
		For >500, Deduct		*-2.28*	
05 05 23 00-0427	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.37	
		For >100 To 250, Deduct		*-1.55*	
		For >250 To 500, Deduct		*-1.94*	
		For >500, Deduct		*-2.33*	
05 05 23 00-0428	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.61	
		For >100 To 250, Deduct		*-1.55*	
		For >250 To 500, Deduct		*-1.94*	
		For >500, Deduct		*-2.33*	
05 05 23 00-0429	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.12	
		For >100 To 250, Deduct		*-1.55*	
		For >250 To 500, Deduct		*-1.94*	
		For >500, Deduct		*-2.33*	
05 05 23 00-0430	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.51	
		For >100 To 250, Deduct		*-1.59*	
		For >250 To 500, Deduct		*-1.98*	
		For >500, Deduct		*-2.38*	
05 05 23 00-0431	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.93	
		For >100 To 250, Deduct		*-1.59*	
		For >250 To 500, Deduct		*-1.98*	
		For >500, Deduct		*-2.38*	
05 05 23 00-0432	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		12.45	
		For >100 To 250, Deduct		*-1.59*	
		For >250 To 500, Deduct		*-1.98*	
		For >500, Deduct		*-2.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0433	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.34	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0434	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.88	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0435	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.18	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0436	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0437	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0438	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.28	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0439	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.50	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0440 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0441	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0442	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0443	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0444	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0445	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0446	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.77	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0447	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0448	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0449	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0450	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.58	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0451	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0452	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.52	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0453	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0454	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.95	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0455	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.99	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0456	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.15	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0457	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.83	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0458	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0459	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.98	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0460 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0292)*

05 05 23 00-0461	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0462	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0463	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0464	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0465	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.83	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0466	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.45	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0467	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0468	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0469	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0470	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0471	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0472	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.79	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0473	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.01	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0474	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.35	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0475	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.41	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0476	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.71	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0477	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.55	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0478	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.12	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0479 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0480 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0481	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.89	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0482	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0483	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0484	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0485	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0486	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0487	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.38	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0488	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.55	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0489	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0490	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.91	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0491	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.17	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0492	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0493	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0494	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0495	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0496	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0497		5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*		
05 05 23 00-0498	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.94	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0499	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0500	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.09	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0501	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0502	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0503	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0504	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.56	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0505	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0506	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0507	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0508	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0509	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0510	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0511	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.97	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0512	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.08	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0513	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.28	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0514		3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*		
05 05 23 00-0515	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0516	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.07	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0517	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0518	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0519	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.46	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0520	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.59	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0521	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.71	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0522	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0523	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0524	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.42	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0525	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.65	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0526	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0527	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0528	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0529	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0530	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0531 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0532	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0533	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.05	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0534	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0535	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0536	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.66	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0537	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.79	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0538	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.99	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0539	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		8.50	
		For >100 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-1.74*	
		For >500, Deduct		*-2.09*	
05 05 23 00-0540	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		8.91	
		For >100 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-1.74*	
		For >500, Deduct		*-2.09*	
05 05 23 00-0541	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.34	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	
05 05 23 00-0542	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.48	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	
05 05 23 00-0543	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.69	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	
05 05 23 00-0544	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		10.17	
		For >100 To 250, Deduct		*-1.45*	
		For >250 To 500, Deduct		*-1.82*	
		For >500, Deduct		*-2.18*	
05 05 23 00-0545	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		10.85	
		For >100 To 250, Deduct		*-1.45*	
		For >250 To 500, Deduct		*-1.82*	
		For >500, Deduct		*-2.18*	
05 05 23 00-0546	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		10.90	
		For >100 To 250, Deduct		*-1.45*	
		For >250 To 500, Deduct		*-1.82*	
		For >500, Deduct		*-2.18*	

05 05 23 00-0547 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0548	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		7.16	
		For >100 To 250, Deduct		*-1.32*	
		For >250 To 500, Deduct		*-1.66*	
		For >500, Deduct		*-1.99*	
05 05 23 00-0549	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		7.31	
		For >100 To 250, Deduct		*-1.32*	
		For >250 To 500, Deduct		*-1.66*	
		For >500, Deduct		*-1.99*	
05 05 23 00-0550	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		7.41	
		For >100 To 250, Deduct		*-1.32*	
		For >250 To 500, Deduct		*-1.66*	
		For >500, Deduct		*-1.99*	
05 05 23 00-0551	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		7.66	
		For >100 To 250, Deduct		*-1.36*	
		For >250 To 500, Deduct		*-1.70*	
		For >500, Deduct		*-2.03*	
05 05 23 00-0552	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		7.83	
		For >100 To 250, Deduct		*-1.36*	
		For >250 To 500, Deduct		*-1.70*	
		For >500, Deduct		*-2.03*	
05 05 23 00-0553	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		8.20	
		For >100 To 250, Deduct		*-1.36*	
		For >250 To 500, Deduct		*-1.70*	
		For >500, Deduct		*-2.03*	
05 05 23 00-0554	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		8.64	
		For >100 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-1.74*	
		For >500, Deduct		*-2.09*	
05 05 23 00-0555	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		8.85	
		For >100 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-1.74*	
		For >500, Deduct		*-2.09*	
05 05 23 00-0556	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.01	
		For >100 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-1.74*	
		For >500, Deduct		*-2.09*	
05 05 23 00-0557	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.44	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	
05 05 23 00-0558	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		9.91	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	
05 05 23 00-0559	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		10.35	
		For >100 To 250, Deduct		*-1.42*	
		For >250 To 500, Deduct		*-1.78*	
		For >500, Deduct		*-2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0560	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0561	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0562	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0563	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.69	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0564	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.08	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0565	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.28	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0566	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.25	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0567 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0568	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0569	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0570	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0571	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.07	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0572	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0573	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.45	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0574	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0575	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0576	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0577	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0578	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0579	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0580	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.51	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0581		EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.89	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.82*	
			For >500, Deduct	*-2.18*	
05 05 23 00-0582		EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.47	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.82*	
			For >500, Deduct	*-2.18*	

05 05 23 00-0583 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0584		EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.44	
			For >100 To 250, Deduct	*-1.49*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0585		EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.54	
			For >100 To 250, Deduct	*-1.49*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0586		EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.77	
			For >100 To 250, Deduct	*-1.49*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0587		EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.26	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	
05 05 23 00-0588		EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.54	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	
05 05 23 00-0589		EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.69	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	
05 05 23 00-0590		EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.97	
			For >100 To 250, Deduct	*-1.55*	
			For >250 To 500, Deduct	*-1.94*	
			For >500, Deduct	*-2.33*	
05 05 23 00-0591		EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.46	
			For >100 To 250, Deduct	*-1.55*	
			For >250 To 500, Deduct	*-1.94*	
			For >500, Deduct	*-2.33*	
05 05 23 00-0592		EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.68	
			For >100 To 250, Deduct	*-1.55*	
			For >250 To 500, Deduct	*-1.94*	
			For >500, Deduct	*-2.33*	
05 05 23 00-0593		EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.07	
			For >100 To 250, Deduct	*-1.59*	
			For >250 To 500, Deduct	*-1.98*	
			For >500, Deduct	*-2.38*	
05 05 23 00-0594		EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.31	
			For >100 To 250, Deduct	*-1.59*	
			For >250 To 500, Deduct	*-1.98*	
			For >500, Deduct	*-2.38*	
05 05 23 00-0595		EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.79	
			For >100 To 250, Deduct	*-1.59*	
			For >250 To 500, Deduct	*-1.98*	
			For >500, Deduct	*-2.38*	
05 05 23 00-0596		EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.12	
			For >100 To 250, Deduct	*-1.62*	
			For >250 To 500, Deduct	*-2.03*	
			For >500, Deduct	*-2.43*	
05 05 23 00-0597		EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.67	
			For >100 To 250, Deduct	*-1.62*	
			For >250 To 500, Deduct	*-2.03*	
			For >500, Deduct	*-2.43*	
05 05 23 00-0598		EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.90	
			For >100 To 250, Deduct	*-1.62*	
			For >250 To 500, Deduct	*-2.03*	
			For >500, Deduct	*-2.43*	
05 05 23 00-0599		EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.05	
			For >100 To 250, Deduct	*-1.65*	
			For >250 To 500, Deduct	*-2.07*	
			For >500, Deduct	*-2.48*	
05 05 23 00-0600		EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.14	
			For >100 To 250, Deduct	*-1.65*	
			For >250 To 500, Deduct	*-2.07*	
			For >500, Deduct	*-2.48*	
05 05 23 00-0601		EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.22	
			For >100 To 250, Deduct	*-1.65*	
			For >250 To 500, Deduct	*-2.07*	
			For >500, Deduct	*-2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0602	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.23	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0603 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0604	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0605	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.06	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0606	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0607	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0608	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0609	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0610	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0611	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0612	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0613	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.95	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0614	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0615	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0616	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.29	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0617	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.71	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0618	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0619	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.12	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0620	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.88	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0621	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.43	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0622	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.64	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0623 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0624	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0625	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0626	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0627	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.80	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0628	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0629	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0630	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0631	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.59	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0632	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.87	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0633	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0634	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0635	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0636	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.05	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0637	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.81	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0638	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.57	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0639	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.79	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0640	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.98	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0641	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.43	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0642 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0479)*

05 05 23 00-0643	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.95	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0644	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0645	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0646	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0647	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0648	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.87	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0649	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.66	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0650	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.71	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0651	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0652	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.80	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0653	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.00	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0654	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.51	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0655	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.99	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0656	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0657	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.90	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0658	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.62	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0659	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.51	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0660	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.67	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0661 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0662 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0663	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0664	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0665	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0666	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0667	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0668	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0669	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0670	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0671	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0672	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.76	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0673	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0674	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.08	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0675	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0676	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0677	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.57	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0678	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0679 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0680	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.91	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0681	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0682	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.19	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0683	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.20	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0684	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0685	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0686	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0687	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0688	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0689	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0690	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0691	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0692	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0693	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0694	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0695	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0696 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0697	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0698	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0699	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0700	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0701	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0702	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0703	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0704	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0705	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0706	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0707	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0709	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0710	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0711	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0712	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.20	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0713 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0714	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0715	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0716	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0717	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0718	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.26	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0719	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.28	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0720	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0721	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0722	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.01	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0723	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0724	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	

05 05 23 00-0725 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0726	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0727	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.18	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0728	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0729	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0730	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0731	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0732	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.36	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0733	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0734	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0735	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0736	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0737	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0738	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0739	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0740	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0741	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0742	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0743	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.81	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0744	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0745 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0746	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0747	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0748	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.48	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0749	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0750	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.01	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0751	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0752	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0753	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0754	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0755	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0756	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0757	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0758	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.14	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0759	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0760	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0761	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.74	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0762	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0763	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0764	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0765 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0766	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0767	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0768	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0769	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0770	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0771	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.75	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0772	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0773	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.18	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0774	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0775	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0776	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0777	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0778	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0779	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0780	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0781	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.70	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0782	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.94	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0783	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0784	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0785 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0786	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0787	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0788	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0789	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.09	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0790	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0791	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0793	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0794	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0795	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0796	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.44	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0797	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.94	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0798	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.48	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0799	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.61	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0800	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.91	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0801	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.21	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0802	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.59	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0803	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.94	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0804 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0661)*

05 05 23 00-0805	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0806	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.24	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0807	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0808	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0809	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0810	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0811	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.00	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0812	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.22	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0813	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.44	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0814	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.43	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0815	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.97	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0816	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.81	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0817	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.63	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0818	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.04	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0819	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.71	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0820	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.21	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0821	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.97	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0822 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0823 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0824	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0825	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0826	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.07	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0827	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.15	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0828	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0829	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.52	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0830	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0831	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0832	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0833	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0834	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.56	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0835	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0836	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0837	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0838	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0839	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0840 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0841	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0842	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.10	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0843	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0844	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.30	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0845	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0846	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.69	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0847	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0848	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.36	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0849	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0850	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.85	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0851	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0852	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0853	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0854	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.44	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0855 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0856	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0857	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0858	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0859	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0860	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0861	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0862	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.36	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-0863	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.74	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0864	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0865	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-0866	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0867	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0868	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-0869	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0870	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0871	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-0872 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0873	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0874	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.68	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0875	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0876	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0877	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0878	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0879	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0880	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0881	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0882	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0883	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.74	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0884	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0885	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	

05 05 23 00-0886 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0887	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0888	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.68	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0889	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0890	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0891	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0892	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0893	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0894	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0895	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.83	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0896	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0897	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.77	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0898	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0899	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0900	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0901	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-0902	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.86	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0903	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.07	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0904	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.50	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0905	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-0906 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0907	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0908	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0909	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0910	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.05	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0911	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0912	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0913	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.33	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0914	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.56	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0915	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.72	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-0916	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.90	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-0917	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.05	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	

05 05 23 00-0918 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0919	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0920	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0921	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0922	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0923	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0924	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0925	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0926	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0927	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0928	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.85	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0929	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0930	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0931	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.14	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0932	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.16	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0933	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.63	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0934	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0935	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.28	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0936	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.97	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0937	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.07	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0938 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0939	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.20	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0940	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0941	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0942	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0943	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0944	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0945	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0946	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0947	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0948	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.03	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0949	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.92	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0950	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-0951	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.21	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0952	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.63	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0953	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.67	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-0954	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.97	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0955	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.45	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0956	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.74	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0957	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.74	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-0958 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0959	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0960	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.70	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0961	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.67	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0962	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0963	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.08	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0964	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.13	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0965	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.47	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0966	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.79	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0967	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.29	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0968	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.18	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0969	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.09	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0970	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.14	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0971	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.35	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0972	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.12	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0973	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.67	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0974	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.98	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0975	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.98	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0976	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.97	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0977 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0822)*

05 05 23 00-0978	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.20	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0979	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-0980	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.27	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0981	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0982	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.82	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-0983	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.77	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0984	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.88	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0985	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.51	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0986	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.21	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0987	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.30	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0988	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.68	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-0989	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.39	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0990	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.22	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0991	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.04	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-0992	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.85	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0993	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.39	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0994	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.88	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-0995	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	68.27	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-0996 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0104)*

05 05 23 00-0997 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-0998	EA	1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0999	EA	1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1000	EA	1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1001	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1002	EA	1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1003	EA	1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.82	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1004	EA	1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.97	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1005	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1006	EA	1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1007	EA	1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1008	EA	1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1009	EA	1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1010	EA	1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1011	EA	1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	17.20	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1012	EA	1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.94	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1013	EA	1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	30.39	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

05 05 23 00-1014 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1015	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1016	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1017	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.58	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1018	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.75	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1019	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1020	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1021	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1022	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1023	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1024	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1025	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1026	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1027	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.88	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1028	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	17.92	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1029		3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*		
05 05 23 00-1030	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.58	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1031	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1032	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.84	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1033	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.36	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1034	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1035	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1036	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-1.79*	
05 05 23 00-1037	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1038	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1039	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-1.83*	
05 05 23 00-1040	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1041	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1042	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.51	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-1.88*	
05 05 23 00-1043	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1044	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.69	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1045	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	19.04	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-1.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-1046 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1047	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.27	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1048	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1049	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1050	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.87	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1051	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1052	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1053	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1054	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1055	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1056	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1057	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1058	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.87	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1059	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	

05 05 23 00-1060 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1061	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1062	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1063	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1064	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1065	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1066	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1067	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1068	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1069	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.01	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1070	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1071	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1072	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.25	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1073	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	19.14	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-1074	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.26	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-1075	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	22.12	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.18*	
05 05 23 00-1076	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.20	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1077	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	30.37	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1078	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.89	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1079	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	31.70	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

05 05 23 00-1080 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1081	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	16.93	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1082	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.07	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1083	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	21.88	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1084	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1085	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	26.43	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1086	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.68	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1087	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	30.26	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1088	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.11	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1089	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	33.76	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.09*	
05 05 23 00-1090	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.42	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	
05 05 23 00-1091	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	35.87	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.13*	

05 05 23 00-1092 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1093	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1094	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1095	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1096	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1097	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1098	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.57	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1099	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.19	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1100	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.04	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1101	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1102	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.07	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1103	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1104	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.85	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1105	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.19	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1106	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.60	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1107	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	26.12	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1108	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.65	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1109	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	28.93	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.07	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1111	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	41.63	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-1112 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1113	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1114	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.65	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1115	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1116	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.47	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1117	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.12	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1118	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.08	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1119	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.29	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1120	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.13	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1121	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.59	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1122	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.37	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1123	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1124	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.67	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.38*	
05 05 23 00-1125	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	31.55	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1126	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.21	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1127	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	35.76	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.43*	
05 05 23 00-1128	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.12	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1129	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	43.68	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1130	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.15	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1131	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	45.32	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	

05 05 23 00-1132 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

05 05 23 00-1133	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.08	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1134	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.61	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1135	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.61	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1136	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.75	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1137	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.71	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1138	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.72	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1139	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.01	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1140	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	25.92	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1141	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.16	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1142	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	27.12	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1143	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.28	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1144	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.04	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1145	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.91	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1146	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	44.82	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1147	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.45	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1148	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	49.11	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1149	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.75	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1150	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	52.60	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-1151 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0996)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1152	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.44	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.48*	
05 05 23 00-1153	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.96	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1154	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	22.54	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1155	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.05	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.53*	
05 05 23 00-1156	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	26.12	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1157	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.83	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1158	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	29.56	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1159	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.45	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1160	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	35.90	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1161	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.29	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.63*	
05 05 23 00-1162	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	46.47	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1163	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.52	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1164	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	52.24	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-2.68*	
05 05 23 00-1165	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.05	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1166	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	54.75	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1167	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	63.13	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	
05 05 23 00-1168	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	71.22	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-2.73*	

05 05 23 00-1169 Screws *(05 05 23)*

05 05 23 00-1170 Teks® 5 Self Drilling Screws *(05 05 23 00-1169)*

Note: Screws include Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1171	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	3.03	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.28*	
		For >100, Deduct	*-0.57*	
05 05 23 00-1172	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.12	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.29*	
		For >100, Deduct	*-0.57*	
05 05 23 00-1173	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.44	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1174	EA	1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.62	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1175	EA	1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.92	
		For >10 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.83*	
05 05 23 00-1176	EA	1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	5.87	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.90*	
05 05 23 00-1177	EA	1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	6.48	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	

05 05 23 00-1178 Security Screws *(05 05 23 00-1169)*

05 05 23 00-1179 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1178)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1180	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.40	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.47*	
05 05 23 00-1181	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.64	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1182	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.84	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1183	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.91	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1184	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.04	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1185	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.69	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1186	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.79	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1187	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.99	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1188	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.05	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1189	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.75	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1190	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.78	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1191	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.86	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1192	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.14	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1193	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.91	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1194	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.97	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.50*	
05 05 23 00-1195	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.23	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1196	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.65	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.53*	

05 05 23 00-1197 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1290 for nuts and washers.

05 05 23 00-1198 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1197)*

05 05 23 00-1199	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.57	0.42
		For Left Hand Threaded Rod, Add	*0.07*	
05 05 23 00-1200	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.02	0.46
		For Left Hand Threaded Rod, Add	*0.11*	
05 05 23 00-1201	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.35	0.53
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1202	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.09	0.54
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1203	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.16	0.56
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1204	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.87	0.57
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1205	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.33	0.58
		For Left Hand Threaded Rod, Add	*0.32*	
05 05 23 00-1206	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.96	0.59
		For Left Hand Threaded Rod, Add	*0.58*	
05 05 23 00-1207	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.57	0.61
		For Left Hand Threaded Rod, Add	*0.63*	
05 05 23 00-1208	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.28	0.69
		For Left Hand Threaded Rod, Add	*0.89*	
05 05 23 00-1209	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.76	0.78
		For Left Hand Threaded Rod, Add	*1.12*	
05 05 23 00-1210	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.86	0.85
		For Left Hand Threaded Rod, Add	*1.51*	
05 05 23 00-1211	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.90	0.92
		For Left Hand Threaded Rod, Add	*1.91*	
05 05 23 00-1212	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	24.94	0.96
		For Left Hand Threaded Rod, Add	*2.30*	
05 05 23 00-1213	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.52	1.01
		For Left Hand Threaded Rod, Add	*2.85*	
05 05 23 00-1214	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	38.89	1.06
		For Left Hand Threaded Rod, Add	*3.68*	

05 05 23 00-1215 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1197)*

05 05 23 00-1216	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.58	0.42
		For Left Hand Threaded Rod, Add	*0.07*	
05 05 23 00-1217	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.26	0.46
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1218	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.53	0.53
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1219	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.54	0.54
		For Left Hand Threaded Rod, Add	*0.25*	
05 05 23 00-1220	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.80	0.56
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1221	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.90	0.57
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1222	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.19	0.58
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1223	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.70	0.59
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1224	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.90	0.61
		For Left Hand Threaded Rod, Add	*0.87*	
05 05 23 00-1225	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.23	0.69
		For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1226	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.02	0.78
		For Left Hand Threaded Rod, Add	*1.55*	
05 05 23 00-1227	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.28	0.85
		For Left Hand Threaded Rod, Add	*1.85*	
05 05 23 00-1228	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.03	0.92
		For Left Hand Threaded Rod, Add	*2.12*	
05 05 23 00-1229	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	28.91	0.96
		For Left Hand Threaded Rod, Add	*2.70*	
05 05 23 00-1230	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.75	1.01
		For Left Hand Threaded Rod, Add	*3.38*	
05 05 23 00-1231	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	51.99	1.06
		For Left Hand Threaded Rod, Add	*4.99*	

05 05 23 00-1232 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1197)*

05 05 23 00-1233	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.01	0.53
		For Left Hand Threaded Rod, Add	*0.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1234		LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.53	0.56
			For Left Hand Threaded Rod, Add	*0.44*	
05 05 23 00-1235		LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.39	0.58
			For Left Hand Threaded Rod, Add	*0.62*	
05 05 23 00-1236		LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.06	0.59
			For Left Hand Threaded Rod, Add	*0.89*	
05 05 23 00-1237		LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.84	0.61
			For Left Hand Threaded Rod, Add	*1.26*	
05 05 23 00-1238		LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	17.80	0.69
			For Left Hand Threaded Rod, Add	*1.64*	
05 05 23 00-1239		LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.36	0.78
			For Left Hand Threaded Rod, Add	*2.18*	
05 05 23 00-1240		LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.66	0.85
			For Left Hand Threaded Rod, Add	*2.89*	
05 05 23 00-1241		LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	34.24	0.92
			For Left Hand Threaded Rod, Add	*3.24*	
05 05 23 00-1242		LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	40.70	0.96
			For Left Hand Threaded Rod, Add	*3.88*	
05 05 23 00-1243		LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	49.38	1.01
			For Left Hand Threaded Rod, Add	*4.74*	
05 05 23 00-1244		LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	85.90	1.06
			For Left Hand Threaded Rod, Add	*8.38*	

05 05 23 00-1245 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1197)*

05 05 23 00-1246		LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.10	0.42
			For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1247		LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.06	0.46
			For Left Hand Threaded Rod, Add	*0.21*	
05 05 23 00-1248		LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.90	0.53
			For Left Hand Threaded Rod, Add	*0.28*	
05 05 23 00-1249		LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.32	0.54
			For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1250		LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.33	0.56
			For Left Hand Threaded Rod, Add	*0.52*	
05 05 23 00-1251		LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.98	0.57
			For Left Hand Threaded Rod, Add	*0.78*	
05 05 23 00-1252		LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.37	0.58
			For Left Hand Threaded Rod, Add	*0.82*	
05 05 23 00-1253		LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.01	0.59
			For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1254		LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.79	0.61
			For Left Hand Threaded Rod, Add	*1.66*	
05 05 23 00-1255		LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	22.77	0.69
			For Left Hand Threaded Rod, Add	*2.14*	
05 05 23 00-1256		LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	47.89	0.85
			For Left Hand Threaded Rod, Add	*4.61*	
05 05 23 00-1257		LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	72.74	0.96
			For Left Hand Threaded Rod, Add	*7.08*	
05 05 23 00-1258		LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	74.83	1.01
			For Left Hand Threaded Rod, Add	*7.28*	
05 05 23 00-1259		LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	103.37	1.06
			For Left Hand Threaded Rod, Add	*10.13*	

05 05 23 00-1260 316 Stainless Steel Threaded Rod *(05 05 23 00-1197)*

05 05 23 00-1261		LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	2.93	0.42
			For Left Hand Threaded Rod, Add	*0.21*	
05 05 23 00-1262		LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	4.61	0.46
			For Left Hand Threaded Rod, Add	*0.37*	
05 05 23 00-1263		LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	6.08	0.53
			For Left Hand Threaded Rod, Add	*0.50*	
05 05 23 00-1264		LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	9.34	0.54
			For Left Hand Threaded Rod, Add	*0.83*	
05 05 23 00-1265		LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	9.89	0.56
			For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1266		LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	12.90	0.57
			For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1267		LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	13.86	0.58
			For Left Hand Threaded Rod, Add	*1.27*	
05 05 23 00-1268		LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	20.09	0.59
			For Left Hand Threaded Rod, Add	*1.89*	
05 05 23 00-1269		LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	27.40	0.61
			For Left Hand Threaded Rod, Add	*2.62*	
05 05 23 00-1270		LF	1" Diameter, 316 Stainless Steel Threaded Rod	34.62	0.69
			For Left Hand Threaded Rod, Add	*3.32*	
05 05 23 00-1271		LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	72.79	0.85
			For Left Hand Threaded Rod, Add	*7.10*	
05 05 23 00-1272		LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	95.31	0.96
			For Left Hand Threaded Rod, Add	*9.34*	

05 05 23 00-1273 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1197)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1274	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.59	0.42
		For Zinc Plating, Add	*0.87*	
05 05 23 00-1275	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.91	0.46
		For Zinc Plating, Add	*1.49*	
05 05 23 00-1276	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.11	0.53
		For Zinc Plating, Add	*1.53*	
05 05 23 00-1277	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.48	0.54
		For Zinc Plating, Add	*1.70*	
05 05 23 00-1278	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.91	0.56
		For Zinc Plating, Add	*1.90*	
05 05 23 00-1279	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.08	0.57
		For Zinc Plating, Add	*2.47*	
05 05 23 00-1280	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.28	0.58
		For Zinc Plating, Add	*2.56*	
05 05 23 00-1281	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.28	0.59
		For Zinc Plating, Add	*3.54*	
05 05 23 00-1282	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.88	0.61
		For Zinc Plating, Add	*4.32*	
05 05 23 00-1283	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.77	0.69
		For Zinc Plating, Add	*5.69*	
05 05 23 00-1284	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.57	0.78
		For Zinc Plating, Add	*7.51*	
05 05 23 00-1285	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.44	0.85
		For Zinc Plating, Add	*8.35*	
05 05 23 00-1286	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.25	0.92
		For Zinc Plating, Add	*9.71*	
05 05 23 00-1287	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.78	0.96
		For Zinc Plating, Add	*11.94*	
05 05 23 00-1288	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.65	1.01
		For Zinc Plating, Add	*12.33*	
05 05 23 00-1289	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.67	1.06
		For Zinc Plating, Add	*16.79*	

05 05 23 00-1290 Nuts And Washers *(05 05 23)*

05 05 23 00-1291 Hex Nuts *(05 05 23 00-1290)*

05 05 23 00-1292 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1291)*

05 05 23 00-1293	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.23
05 05 23 00-1294	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.23
05 05 23 00-1295	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.23
05 05 23 00-1296	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.66	0.23
05 05 23 00-1297	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.23
05 05 23 00-1298	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.23
05 05 23 00-1299	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.93	0.23
05 05 23 00-1300	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.46
05 05 23 00-1301	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.46
05 05 23 00-1302	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.88	0.46
05 05 23 00-1303	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.97	0.46
05 05 23 00-1304	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.61	0.46
05 05 23 00-1305	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.19	0.46
05 05 23 00-1306	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.99	0.68
05 05 23 00-1307	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.66	0.68
05 05 23 00-1308	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.39	0.68

05 05 23 00-1309 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1291)*

05 05 23 00-1310	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.51	0.23
05 05 23 00-1311	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.56	0.23
05 05 23 00-1312	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.60	0.23
05 05 23 00-1313	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.68	0.23
05 05 23 00-1314	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.78	0.23
05 05 23 00-1315	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.92	0.23
05 05 23 00-1316	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.94	0.23
05 05 23 00-1317	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.19	0.46
05 05 23 00-1318	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.61	0.46
05 05 23 00-1319	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.23	0.46
05 05 23 00-1320	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.32	0.46
05 05 23 00-1321	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.63	0.46
05 05 23 00-1322	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.68	0.46
05 05 23 00-1323	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.37	0.68
05 05 23 00-1324	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.06	0.68
05 05 23 00-1325	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.60	0.68

05 05 23 00-1326 Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1291)*

05 05 23 00-1327	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.52	0.23
05 05 23 00-1328	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.59	0.23
05 05 23 00-1329	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.63	0.23
05 05 23 00-1330	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.75	0.23
05 05 23 00-1331	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.88	0.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1332	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.04	0.23
05 05 23 00-1333	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.16	0.23
05 05 23 00-1334	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.40	0.46
05 05 23 00-1335	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.03	0.46
05 05 23 00-1336	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.66	0.46
05 05 23 00-1337	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.08	0.46
05 05 23 00-1338	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.07	0.46
05 05 23 00-1339	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.18	0.46
05 05 23 00-1340	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.69	0.68
05 05 23 00-1341	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.10	0.68
05 05 23 00-1342	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.40	0.68
05 05 23 00-1343		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1291)*		
05 05 23 00-1344	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.52	0.23
05 05 23 00-1345	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.23
05 05 23 00-1346	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.23
05 05 23 00-1347	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.23
05 05 23 00-1348	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.23
05 05 23 00-1349	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.93	0.23
05 05 23 00-1350	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.23
05 05 23 00-1351	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.29	0.46
05 05 23 00-1352	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.81	0.46
05 05 23 00-1353	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.46	0.46
05 05 23 00-1354	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.95	0.46
05 05 23 00-1355	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.04	0.46
05 05 23 00-1356	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.36	0.46
05 05 23 00-1357	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.56	0.68
05 05 23 00-1358	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.71	0.68
05 05 23 00-1359	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.23	0.68
05 05 23 00-1360		304 Stainless Steel Hex Nuts *(05 05 23 00-1291)*		
05 05 23 00-1361	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.56	0.23
05 05 23 00-1362	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.65	0.23
05 05 23 00-1363	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.72	0.23
05 05 23 00-1364	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	0.99	0.23
05 05 23 00-1365	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.07	0.23
05 05 23 00-1366	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	1.56	0.23
05 05 23 00-1367	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	1.71	0.23
05 05 23 00-1368	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	1.95	0.46
05 05 23 00-1369	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	3.08	0.46
05 05 23 00-1370	EA	1" Diameter, 304 Stainless Steel Hex Nut	4.66	0.46
05 05 23 00-1371	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	10.96	0.46
05 05 23 00-1372	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	20.83	0.68
05 05 23 00-1373	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	36.40	0.68
05 05 23 00-1374	EA	2" Diameter, 304 Stainless Steel Hex Nut	51.76	0.68
05 05 23 00-1375		316 Stainless Steel Hex Nuts *(05 05 23 00-1291)*		
05 05 23 00-1376	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.63	0.23
05 05 23 00-1377	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.71	0.23
05 05 23 00-1378	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	0.82	0.23
05 05 23 00-1379	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.26	0.23
05 05 23 00-1380	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	1.35	0.23
05 05 23 00-1381	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	1.79	0.23
05 05 23 00-1382	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	1.99	0.23
05 05 23 00-1383	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	2.72	0.46
05 05 23 00-1384	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	3.71	0.46
05 05 23 00-1385	EA	1" Diameter, 316 Stainless Steel Hex Nut	5.66	0.46
05 05 23 00-1386	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	16.84	0.46
05 05 23 00-1387	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	27.10	0.68
05 05 23 00-1388	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	45.53	0.68
05 05 23 00-1389	EA	2" Diameter, 316 Stainless Steel Hex Nut	84.38	0.68
05 05 23 00-1390		Flat Washers *(05 05 23 00-1290)*		
05 05 23 00-1391		Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1390)*		
05 05 23 00-1392	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1393	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1394	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1395	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1396	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1397	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1398	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1399	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1400	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1401	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1402	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1403	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1404	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1405	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1406	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1407	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1408		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1390)*		
05 05 23 00-1409	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.10	
05 05 23 00-1410	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.14	
05 05 23 00-1411	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.16	
05 05 23 00-1412	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1413	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1414	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.47	
05 05 23 00-1415	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.67	
05 05 23 00-1416	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.94	
05 05 23 00-1417	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.58	
05 05 23 00-1418	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.75	
05 05 23 00-1419	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.54	
05 05 23 00-1420	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.78	
05 05 23 00-1421	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1422	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.18	
05 05 23 00-1423	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.62	
05 05 23 00-1424	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.75	
05 05 23 00-1425		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1390)*		
05 05 23 00-1426	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.07	
05 05 23 00-1427	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.09	
05 05 23 00-1428	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1429	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1430	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.25	
05 05 23 00-1431	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1432	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.46	
05 05 23 00-1433	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70	
05 05 23 00-1434	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.98	
05 05 23 00-1435	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.08	
05 05 23 00-1436	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.65	
05 05 23 00-1437	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.84	
05 05 23 00-1438	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.62	
05 05 23 00-1439	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.84	
05 05 23 00-1440	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.12	
05 05 23 00-1441		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1390)*		
05 05 23 00-1442	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.08	
05 05 23 00-1443	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.10	
05 05 23 00-1444	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.15	
05 05 23 00-1445	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27	
05 05 23 00-1446	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49	
05 05 23 00-1447	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.62	
05 05 23 00-1448	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.91	
05 05 23 00-1449	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.92	
05 05 23 00-1450	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.95	
05 05 23 00-1451	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.47	
05 05 23 00-1452	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.87	
05 05 23 00-1453	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.09	
05 05 23 00-1454	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.27	
05 05 23 00-1455	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.98	
05 05 23 00-1456	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.95	
05 05 23 00-1457	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.73	
05 05 23 00-1458		316 Stainless Steel Flat Washers *(05 05 23 00-1390)*		
05 05 23 00-1459	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.15	
05 05 23 00-1460	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.16	
05 05 23 00-1461	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.29	
05 05 23 00-1462	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.35	
05 05 23 00-1463	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.64	
05 05 23 00-1464	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.16	
05 05 23 00-1465	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	1.36	
05 05 23 00-1466	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	1.72	
05 05 23 00-1467	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.66	
05 05 23 00-1468	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	2.97	
05 05 23 00-1469	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.38	
05 05 23 00-1470	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.17	
05 05 23 00-1471	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.41	
05 05 23 00-1472	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	4.50	
05 05 23 00-1473	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	6.60	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474		Lock Washers *(05 05 23 00-1290)*		
05 05 23 00-1475		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1474)*		
05 05 23 00-1476	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.01	
05 05 23 00-1477	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1478	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1479	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1480	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07	
05 05 23 00-1481	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1482	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1483	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1484	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1485	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1486	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1487	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1488	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1489	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1490	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1491	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1492		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1474)*		
05 05 23 00-1493	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1494	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1495	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1496	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1497	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1498	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1499	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1500	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1501	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1502	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1503	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1504	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1505	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1506	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1507	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1508	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1509		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1474)*		
05 05 23 00-1510	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.06	
05 05 23 00-1511	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.09	
05 05 23 00-1512	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.13	
05 05 23 00-1513	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1514	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.26	
05 05 23 00-1515	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.64	
05 05 23 00-1516	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.75	
05 05 23 00-1517	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.87	
05 05 23 00-1518	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1519	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.24	
05 05 23 00-1520	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.90	
05 05 23 00-1521	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.19	
05 05 23 00-1522	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.60	
05 05 23 00-1523	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.92	
05 05 23 00-1524		316 Stainless Steel Lock Washers *(05 05 23 00-1474)*		
05 05 23 00-1525	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.08	
05 05 23 00-1526	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.17	
05 05 23 00-1527	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.20	
05 05 23 00-1528	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	
05 05 23 00-1529	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.38	
05 05 23 00-1530	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.68	
05 05 23 00-1531	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.74	
05 05 23 00-1532	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.29	
05 05 23 00-1533	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	2.13	
05 05 23 00-1534	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	2.90	
05 05 23 00-1535	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.04	
05 05 23 00-1536	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	6.22	
05 05 23 00-1537	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	11.14	
05 05 23 00-1538	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	12.37	
05 05 23 00-1539		Load Indicating Washers *(05 05 23 00-1290)*		
05 05 23 00-1540		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1539)*		
05 05 23 00-1541		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1540)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1542	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.36	
05 05 23 00-1543	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.54	
05 05 23 00-1544	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.66	
05 05 23 00-1545	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.88	
05 05 23 00-1546	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1547	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.78	
05 05 23 00-1548	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.88	
05 05 23 00-1549	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.23	
05 05 23 00-1550	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.86	
05 05 23 00-1551		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1540)*		
05 05 23 00-1552	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.72	
05 05 23 00-1553	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.91	
05 05 23 00-1554	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.86	
05 05 23 00-1555	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1556	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.69	
05 05 23 00-1557	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.06	
05 05 23 00-1558	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.11	
05 05 23 00-1559	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.27	
05 05 23 00-1560	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.00	
05 05 23 00-1561		Beveled Washers *(05 05 23 00-1290)*		
05 05 23 00-1562		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1561)*		
05 05 23 00-1563	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.24	
05 05 23 00-1564	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.29	
05 05 23 00-1565	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.34	
05 05 23 00-1566	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.84	
05 05 23 00-1567	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.99	
05 05 23 00-1568		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1561)*		
05 05 23 00-1569	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.22	
05 05 23 00-1570	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37	
05 05 23 00-1571	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37	
05 05 23 00-1572	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.56	
05 05 23 00-1573	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.79	
05 05 23 00-1574		Welded Stud Anchors *(05 05 23)*		
05 05 23 00-1575	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	2.21	
05 05 23 00-1576	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	2.24	
05 05 23 00-1577	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.25	
05 05 23 00-1578	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.26	
05 05 23 00-1579	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	2.30	
05 05 23 00-1580	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.37	
05 05 23 00-1581	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.43	
05 05 23 00-1582	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.47	
05 05 23 00-1583	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.50	
05 05 23 00-1584	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.64	
05 05 23 00-1585	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors	2.75	
05 05 23 00-1586	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	2.84	
05 05 23 00-1587	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors	2.69	
05 05 23 00-1588	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.70	
05 05 23 00-1589	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.81	
05 05 23 00-1590	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.90	
05 05 23 00-1591	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.02	
05 05 23 00-1592	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.21	
05 05 23 00-1593	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors	3.33	
05 05 23 00-1594	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	3.66	
05 05 23 00-1595	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors	4.28	
05 05 23 00-1596	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	3.51	
05 05 23 00-1597	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors	3.66	
05 05 23 00-1598	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors	3.79	
05 05 23 00-1599	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors	3.92	
05 05 23 00-1600	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors	4.02	
05 05 23 00-1601	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors	4.12	
05 05 23 00-1602	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors	4.25	
05 05 23 00-1603	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors	4.78	
05 05 23 00-1604	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors	5.52	
05 05 23 00-1605		Welded Shear Stud Connector *(05 05 23)*		
05 05 23 00-1606		3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*		
05 05 23 00-1607	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.31	
05 05 23 00-1608	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	4.42	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1609	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	4.45	
05 05 23 00-1610	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	4.46	
05 05 23 00-1611	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	4.59	
05 05 23 00-1612	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	4.82	
05 05 23 00-1613	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	7.08	
05 05 23 00-1614	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.10	
05 05 23 00-1615	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	5.51	
05 05 23 00-1616	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	7.94	
05 05 23 00-1617	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.07	
05 05 23 00-1618	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	8.52	
05 05 23 00-1619	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.41	

05 05 23 00-1620 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1621	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.87	
05 05 23 00-1622	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	5.05	
05 05 23 00-1623	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	5.23	
05 05 23 00-1624	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.75	
05 05 23 00-1625	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	8.22	
05 05 23 00-1626	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.76	
05 05 23 00-1627	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	9.30	
05 05 23 00-1628	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.82	

05 05 23 00-1629 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1630	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	6.05	
05 05 23 00-1631	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	6.60	
05 05 23 00-1632	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	7.42	
05 05 23 00-1633	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	10.26	
05 05 23 00-1634	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	11.12	
05 05 23 00-1635	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	11.98	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel For Buildings *(05 12)*

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	6,194.65	963.04
		For ASTM A242 Type 2 High Strength Steel, Add	*336.19*	
		For Hot Dip Galvanizing, Add	*1,176.65*	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	4,112.99	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*275.91*	
		For Hot Dip Galvanizing, Add	*965.69*	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	3,435.42	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*244.95*	
		For Hot Dip Galvanizing, Add	*857.32*	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	2,292.38	186.41
		For ASTM A242 Type 2 High Strength Steel, Add	*167.45*	
		For Hot Dip Galvanizing, Add	*586.08*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	4,362.39	654.95
		For ASTM A242 Type 2 High Strength Steel, Add	*293.13*	
		For Hot Dip Galvanizing, Add	*1,025.96*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 LB/LF Rolled Shape Steel Angles	9,052.56	1,790.30
		For ASTM A242 Type 2 High Strength Steel, Add	*485.50*	
		For Hot Dip Galvanizing, Add	*1,699.24*	
05 12 23 00-0012	TON	>10-20 LB/LF Rolled Shape Steel Angles	7,797.70	1,050.64
		For ASTM A242 Type 2 High Strength Steel, Add	*464.43*	
		For Hot Dip Galvanizing, Add	*1,625.50*	
05 12 23 00-0013	TON	>20-58 LB/LF Rolled Shape Steel Angles	5,770.91	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*408.55*	
		For Hot Dip Galvanizing, Add	*1,429.93*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0015	TON	Up To 10 LB/LF Rolled C, MC Steel Channels	10,082.21	2,451.50
		For ASTM A242 Type 2 High Strength Steel, Add	*478.17*	
		For Hot Dip Galvanizing, Add	*1,673.60*	
05 12 23 00-0016	TON	>10-20 LB/LF Rolled C, MC Steel Channels	7,717.55	1,867.81
		For ASTM A242 Type 2 High Strength Steel, Add	*458.02*	
		For Hot Dip Galvanizing, Add	*1,603.06*	
05 12 23 00-0017	TON	>20-58 LB/LF Rolled C, MC Steel Channels	5,679.30	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*401.22*	
		For Hot Dip Galvanizing, Add	*1,404.28*	
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 LB/LF Double L Shape Steel Angles	8,326.25	1,420.47
		For ASTM A242 Type 2 High Strength Steel, Add	*467.18*	
		For Hot Dip Galvanizing, Add	*1,635.12*	
05 12 23 00-0020	TON	>20-50 LB/LF Double L Shape Steel Angles	6,160.22	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*439.70*	
		For Hot Dip Galvanizing, Add	*1,538.94*	
05 12 23 00-0021	TON	>50-80 LB/LF Double L Shape Steel Angles	4,610.22	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*338.93*	
		For Hot Dip Galvanizing, Add	*1,186.26*	
05 12 23 00-0022	TON	>80-115 LB/LF Double L Shape Steel Angles	2,947.03	186.68
		For ASTM A242 Type 2 High Strength Steel, Add	*219.85*	
		For Hot Dip Galvanizing, Add	*769.47*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes	7,488.54	1,050.64
		For ASTM A242 Type 2 High Strength Steel, Add	*439.70*	
		For Hot Dip Galvanizing, Add	*1,538.94*	
05 12 23 00-0025	TON	>30-65 LB/LF Structural WT, MT, ST Tee Shapes	4,866.42	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*336.18*	
		For Hot Dip Galvanizing, Add	*1,176.65*	
05 12 23 00-0026	TON	>65-100 LB/LF Structural WT, MT, ST Tee Shapes	3,808.69	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*274.81*	
		For Hot Dip Galvanizing, Add	*961.84*	
05 12 23 00-0027	TON	>100-365 LB/LF Structural WT, MT, ST Tee Shapes	2,787.04	186.41
		For ASTM A242 Type 2 High Strength Steel, Add	*207.02*	
		For Hot Dip Galvanizing, Add	*724.58*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 LB/LF Combination Section - W Shapes And Angles	7,133.57	1,050.64
		For ASTM A242 Type 2 High Strength Steel, Add	*411.30*	
		For Hot Dip Galvanizing, Add	*1,439.55*	
05 12 23 00-0031	TON	>30-65 LB/LF Combination Section - W Shapes And Angles	4,900.78	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*338.93*	
		For Hot Dip Galvanizing, Add	*1,186.27*	
05 12 23 00-0032	TON	>65-100 LB/LF Combination Section - W Shapes And Angles	3,522.43	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*251.91*	
		For Hot Dip Galvanizing, Add	*881.68*	
05 12 23 00-0033	TON	>100-300 LB/LF Combination Section - W Shapes And Angles	3,015.73	186.41
		For ASTM A242 Type 2 High Strength Steel, Add	*225.34*	
		For Hot Dip Galvanizing, Add	*788.71*	
05 12 23 00-0034	TON	>300-500 LB/LF Combination Section - W Shapes And Angles	2,584.36	93.58
		For ASTM A242 Type 2 High Strength Steel, Add	*198.78*	
		For Hot Dip Galvanizing, Add	*695.73*	
05 12 23 00-0035		**Combination Section, S Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0036	TON	>30-65 LB/LF Combination Section - S Shapes And Angles	4,717.57	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*324.28*	
		For Hot Dip Galvanizing, Add	*1,134.97*	
05 12 23 00-0037	TON	>65-100 LB/LF Combination Section - S Shapes And Angles	3,533.88	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*252.83*	
		For Hot Dip Galvanizing, Add	*884.89*	
05 12 23 00-0038		**Combination Section, Channels And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	7,488.54	1,050.64
		For ASTM A242 Type 2 High Strength Steel, Add	*439.70*	
		For Hot Dip Galvanizing, Add	*1,538.94*	
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	5,129.78	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*357.25*	
		For Hot Dip Galvanizing, Add	*1,250.39*	
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	3,614.03	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*259.24*	
		For Hot Dip Galvanizing, Add	*907.33*	
05 12 23 00-0042		**Standard Weight Pipe** *(05 12 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	4,170.24	560.34
		For ASTM A242 Type 2 High Strength Steel, Add	*285.80*	
		For Hot Dip Galvanizing, Add	*1,000.31*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	4,479.97	700.43
		For ASTM A242 Type 2 High Strength Steel, Add	*298.63*	
		For Hot Dip Galvanizing, Add	*1,045.20*	
05 12 23 00-0045		Structural Steel Shapes *(05 12 23)*		
05 12 23 00-0046		Steel Rods *(05 12 23 00-0045)*		
05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	4,451.70	437.82
		For ASTM A242 Type 2 High Strength Steel, Add	*318.78*	
		For Hot Dip Galvanizing, Add	*1,115.73*	
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	5,129.78	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*357.25*	
		For Hot Dip Galvanizing, Add	*1,250.39*	
05 12 23 00-0049		Column Base Plates *(05 12 23 00-0045)*		
05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	2.34	0.59
		For ASTM A242 Type 2 High Strength Steel, Add	*0.14*	
		For Hot Dip Galvanizing, Add	*0.48*	
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	2.19	0.50
		For ASTM A242 Type 2 High Strength Steel, Add	*0.13*	
		For Hot Dip Galvanizing, Add	*0.46*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	4,103.41	526.28
		For ASTM A242 Type 2 High Strength Steel, Add	*283.36*	
		For Hot Dip Galvanizing, Add	*991.77*	
05 12 23 00-0053	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	2,898.74	315.77
		For ASTM A242 Type 2 High Strength Steel, Add	*204.95*	
		For Hot Dip Galvanizing, Add	*717.34*	
05 12 23 00-0054		Double Extra Strong Pipes *(05 12 23 00-0045)*		
05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	5,411.14	800.45
		For ASTM A242 Type 2 High Strength Steel, Add	*364.58*	
		For Hot Dip Galvanizing, Add	*1,276.04*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	4,788.04	430.99
		For ASTM A242 Type 2 High Strength Steel, Add	*346.26*	
		For Hot Dip Galvanizing, Add	*1,211.92*	
05 12 23 00-0057		Structural Pipes *(05 12 23 00-0045)*		
05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	3,775.14	369.83
		For ASTM A242 Type 2 High Strength Steel, Add	*256.49*	
		For Hot Dip Galvanizing, Add	*897.71*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	4,147.08	426.52
		For ASTM A242 Type 2 High Strength Steel, Add	*256.49*	
		For Hot Dip Galvanizing, Add	*897.71*	
05 12 23 00-0060		Structural Tubing *(05 12 23 00-0045)*		
05 12 23 00-0061		Rectangle Structural Tubing *(05 12 23 00-0060)*		
05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle	6,123.68	373.56
		For ASTM A242 Type 2 High Strength Steel, Add	*458.02*	
		For Hot Dip Galvanizing, Add	*1,603.06*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	6,184.99	430.99
		For ASTM A242 Type 2 High Strength Steel, Add	*458.02*	
		For Hot Dip Galvanizing, Add	*1,603.06*	
05 12 23 00-0064	TON	5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	5,421.78	466.95
		For ASTM A242 Type 2 High Strength Steel, Add	*393.90*	
		For Hot Dip Galvanizing, Add	*1,378.63*	
05 12 23 00-0065	TON	6" x 4", 3 ", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	5,177.88	560.34
		For ASTM A242 Type 2 High Strength Steel, Add	*366.41*	
		For Hot Dip Galvanizing, Add	*1,282.45*	
05 12 23 00-0066	TON	7" x 5", 4 ", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	4,900.77	622.54
		For ASTM A242 Type 2 High Strength Steel, Add	*338.93*	
		For Hot Dip Galvanizing, Add	*1,186.26*	
05 12 23 00-0067	TON	8" x 6", 4 ", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	5,155.63	861.53
		For ASTM A242 Type 2 High Strength Steel, Add	*338.93*	
		For Hot Dip Galvanizing, Add	*1,186.26*	
05 12 23 00-0068	TON	10" x 6", 4 ", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	5,543.10	1,138.90
		For ASTM A242 Type 2 High Strength Steel, Add	*346.26*	
		For Hot Dip Galvanizing, Add	*1,211.92*	
05 12 23 00-0069	TON	12" x 6", 4 ", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	5,701.12	1,244.05
		For ASTM A242 Type 2 High Strength Steel, Add	*349.93*	
		For Hot Dip Galvanizing, Add	*1,224.74*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	5,868.32	1,400.86
		For ASTM A242 Type 2 High Strength Steel, Add	*349.93*	
		For Hot Dip Galvanizing, Add	*1,224.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	7,467.45	2,943.02
		For ASTM A242 Type 2 High Strength Steel, Add	*346.26*	
		For Hot Dip Galvanizing, Add	*1,211.92*	
05 12 23 00-0072	TON	18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	6,206.09	1,867.81
		For ASTM A242 Type 2 High Strength Steel, Add	*337.10*	
		For Hot Dip Galvanizing, Add	*1,179.85*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	9,026.35	4,297.18
		For ASTM A242 Type 2 High Strength Steel, Add	*355.42*	
		For Hot Dip Galvanizing, Add	*1,243.98*	
05 12 23 00-0074		**Square Structural Tubing** *(05 12 23 00-0060)*		
05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	6,098.78	350.22
		For ASTM A242 Type 2 High Strength Steel, Add	*458.02*	
		For Hot Dip Galvanizing, Add	*1,603.06*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	6,123.68	373.56
		For ASTM A242 Type 2 High Strength Steel, Add	*458.02*	
		For Hot Dip Galvanizing, Add	*1,603.06*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	5,536.28	466.95
		For ASTM A242 Type 2 High Strength Steel, Add	*403.06*	
		For Hot Dip Galvanizing, Add	*1,410.69*	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	5,521.39	560.34
		For ASTM A242 Type 2 High Strength Steel, Add	*393.90*	
		For Hot Dip Galvanizing, Add	*1,378.63*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	4,502.87	700.43
		For ASTM A242 Type 2 High Strength Steel, Add	*300.46*	
		For Hot Dip Galvanizing, Add	*1,051.61*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	4,609.60	800.45
		For ASTM A242 Type 2 High Strength Steel, Add	*300.46*	
		For Hot Dip Galvanizing, Add	*1,051.61*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	4,951.14	1,120.68
		For ASTM A242 Type 2 High Strength Steel, Add	*300.46*	
		For Hot Dip Galvanizing, Add	*1,051.61*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	5,318.70	1,400.86
		For ASTM A242 Type 2 High Strength Steel, Add	*305.96*	
		For Hot Dip Galvanizing, Add	*1,070.85*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	6,435.10	1,867.81
		For ASTM A242 Type 2 High Strength Steel, Add	*355.42*	
		For Hot Dip Galvanizing, Add	*1,243.98*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	7,431.27	2,801.72
		For ASTM A242 Type 2 High Strength Steel, Add	*355.42*	
		For Hot Dip Galvanizing, Add	*1,243.98*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	7,332.07	3,288.37
		For ASTM A242 Type 2 High Strength Steel, Add	*305.96*	
		For Hot Dip Galvanizing, Add	*1,070.85*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	8,934.75	4,297.18
		For ASTM A242 Type 2 High Strength Steel, Add	*348.09*	
		For Hot Dip Galvanizing, Add	*1,218.33*	
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square	10,419.76	5,603.43
		For ASTM A242 Type 2 High Strength Steel, Add	*355.42*	
		For Hot Dip Galvanizing, Add	*1,243.98*	
05 12 23 00-0088		**Structural Shapes** *(05 12 23 00-0045)*		
05 12 23 00-0089	TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	7,193.45	2,105.11
		For ASTM A242 Type 2 High Strength Steel, Add	*308.16*	
		For Hot Dip Galvanizing, Add	*1,078.56*	
		For >20 To 50 LB/LF, Deduct	*-886.42*	
		For >50 To 75 LB/LF, Deduct	*-1,413.16*	
		For >75 To 100 LB/LF, Deduct	*-1,939.91*	
05 12 23 00-0090	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF	4,783.96	842.04
		For ASTM A242 Type 2 High Strength Steel, Add	*293.14*	
		For Hot Dip Galvanizing, Add	*1,025.98*	
		For >21.5 To 50 LB/LF, Deduct	*-534.38*	
05 12 23 00-0091	LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.76	0.19
05 12 23 00-0092	LB	Structural Shapes, Galvanized Pipe Supports	3.33	0.19
05 12 23 00-0093		**Built-Up Trusses** *(05 12 23 00-0045)*		
05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,959.18	280.18
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,872.16	155.58
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,324.55	82.37
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,205.18	77.89
05 12 23 00-0098		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0045)* Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	18.04	6.06
05 12 23 00-0100	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	27.06	9.07
05 12 23 00-0101	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	36.08	12.09
05 12 23 00-0102	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	45.11	15.11
05 12 23 00-0103	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	54.13	18.04
05 12 23 00-0104	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	63.14	21.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0105	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	72.16	24.18
05 12 23 00-0106	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	81.18	27.20
05 12 23 00-0107	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	90.20	30.22
05 12 23 00-0108	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	99.22	33.24
05 12 23 00-0109	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.24	36.26
05 12 23 00-0110	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	117.26	39.28
05 12 23 00-0111	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	126.28	42.31
05 12 23 00-0112	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	135.31	45.33
05 12 23 00-0113	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	144.33	48.35

05 12 23 00-0114 Accessories For Steel *(05 12 23)*

05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0114)*

05 12 23 00-0116	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.82

05 12 23 00-0117 Connection And Stiffener Plates *(05 12 23 00-0114)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0118	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,578.24
05 12 23 00-0119	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	9,025.31
05 12 23 00-0120	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0121	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0122	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0123	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0124	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0125	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,979.46
05 12 23 00-0126	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,543.24
05 12 23 00-0127	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,543.24
05 12 23 00-0128	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,543.24

05 12 23 00-0129 Spot Welding *(05 12 23 00-0114)*

See CSI section 05 12 23 00-0132 for a series of welds.

05 12 23 00-0130	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.34
		For Aluminum Welding, Add	*1.42*
		For Stainless Steel Welding, Add	*2.36*
05 12 23 00-0131	EA	>15 Spot Weldings, Welds Up To 1" Length Each	7.55
		For Aluminum Welding, Add	*1.32*
		For Stainless Steel Welding, Add	*2.12*

05 12 23 00-0132 Field Welding (Seam And Stitch Welding) *(05 12 23 00-0114)*

05 12 23 00-0133 Vertical Fillet Welds *(05 12 23 00-0132)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0134	LF	3/16" Vertical Fillet Weld	9.81
		For Aluminum Welding, Add	*1.63*
		For Stainless Steel Welding, Add	*2.65*
		For Up To 25, Add	*3.37*
		For >25 To 50, Add	*2.40*
05 12 23 00-0135	LF	1/4" Vertical Fillet Weld	14.73
		For Aluminum Welding, Add	*2.45*
		For Stainless Steel Welding, Add	*3.98*
		For Up To 25, Add	*5.06*
		For >25 To 50, Add	*3.60*
05 12 23 00-0136	LF	5/16" Vertical Fillet Weld	19.61
		For Aluminum Welding, Add	*3.26*
		For Stainless Steel Welding, Add	*5.30*
		For Up To 25, Add	*6.73*
		For >25 To 50, Add	*4.80*
05 12 23 00-0137	LF	3/8" Vertical Fillet Weld	24.54
		For Aluminum Welding, Add	*4.08*
		For Stainless Steel Welding, Add	*6.63*
		For Up To 25, Add	*8.42*
		For >25 To 50, Add	*6.00*
05 12 23 00-0138	LF	7/16" Vertical Fillet Weld	29.17
		For Aluminum Welding, Add	*4.69*
		For Stainless Steel Welding, Add	*7.68*
		For Up To 25, Add	*10.08*
		For >25 To 50, Add	*7.19*
05 12 23 00-0139	LF	1/2" Vertical Fillet Weld	33.98
		For Aluminum Welding, Add	*5.65*
		For Stainless Steel Welding, Add	*9.19*
		For Up To 25, Add	*11.66*
		For >25 To 50, Add	*8.31*
05 12 23 00-0140	LF	9/16" Vertical Fillet Weld	39.89
		For Aluminum Welding, Add	*6.48*
		For Stainless Steel Welding, Add	*10.59*
		For Up To 25, Add	*13.76*
		For >25 To 50, Add	*9.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0141	LF	5/8" Vertical Fillet Weld	43.95	
		For Aluminum Welding, Add	*7.17*	
		For Stainless Steel Welding, Add	*11.72*	
		For Up To 25, Add	*15.14*	
		For >25 To 50, Add	*10.79*	
05 12 23 00-0142	LF	3/4" Vertical Fillet Weld	60.39	
		For Aluminum Welding, Add	*10.06*	
		For Stainless Steel Welding, Add	*16.35*	
		For Up To 25, Add	*20.72*	
		For >25 To 50, Add	*14.76*	
05 12 23 00-0143	LF	7/8" Vertical Fillet Weld	79.73	
		For Aluminum Welding, Add	*13.08*	
		For Stainless Steel Welding, Add	*21.33*	
		For Up To 25, Add	*27.44*	
		For >25 To 50, Add	*19.56*	
05 12 23 00-0144	LF	1" Vertical Fillet Weld	110.58	
		For Aluminum Welding, Add	*18.46*	
		For Stainless Steel Welding, Add	*29.99*	
		For Up To 25, Add	*37.92*	
		For >25 To 50, Add	*27.02*	

05 12 23 00-0145 Horizontal Or Flat Fillet Welds *(05 12 23 00-0132)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0146	LF	1/8" Horizontal Or Flat Fillet Weld	5.58	
		For Aluminum Welding, Add	*0.96*	
		For Stainless Steel Welding, Add	*1.55*	
		For Up To 25, Add	*1.90*	
		For >25 To 50, Add	*1.35*	
05 12 23 00-0147	LF	3/16" Horizontal Or Flat Fillet Weld	7.43	
		For Aluminum Welding, Add	*1.28*	
		For Stainless Steel Welding, Add	*2.06*	
		For Up To 25, Add	*2.53*	
		For >25 To 50, Add	*1.80*	
05 12 23 00-0148	LF	1/4" Horizontal Or Flat Fillet Weld	11.16	
		For Aluminum Welding, Add	*1.92*	
		For Stainless Steel Welding, Add	*3.10*	
		For Up To 25, Add	*3.80*	
		For >25 To 50, Add	*2.71*	
05 12 23 00-0149	LF	5/16" Horizontal Or Flat Fillet Weld	14.89	
		For Aluminum Welding, Add	*2.57*	
		For Stainless Steel Welding, Add	*4.14*	
		For Up To 25, Add	*5.07*	
		For >25 To 50, Add	*3.61*	
05 12 23 00-0150	LF	3/8" Horizontal Or Flat Fillet Weld	18.59	
		For Aluminum Welding, Add	*3.20*	
		For Stainless Steel Welding, Add	*5.16*	
		For Up To 25, Add	*6.34*	
		For >25 To 50, Add	*4.51*	
05 12 23 00-0151	LF	7/16" Horizontal Or Flat Fillet Weld	21.49	
		For Aluminum Welding, Add	*3.55*	
		For Stainless Steel Welding, Add	*5.79*	
		For Up To 25, Add	*7.38*	
		For >25 To 50, Add	*5.26*	
05 12 23 00-0152	LF	1/2" Horizontal Or Flat Fillet Weld	26.24	
		For Aluminum Welding, Add	*4.51*	
		For Stainless Steel Welding, Add	*7.28*	
		For Up To 25, Add	*8.94*	
		For >25 To 50, Add	*6.37*	
05 12 23 00-0153	LF	9/16" Horizontal Or Flat Fillet Weld	29.53	
		For Aluminum Welding, Add	*4.96*	
		For Stainless Steel Welding, Add	*8.04*	
		For Up To 25, Add	*10.12*	
		For >25 To 50, Add	*7.21*	
05 12 23 00-0154	LF	5/8" Horizontal Or Flat Fillet Weld	35.47	
		For Aluminum Welding, Add	*6.00*	
		For Stainless Steel Welding, Add	*9.72*	
		For Up To 25, Add	*12.13*	
		For >25 To 50, Add	*8.64*	
05 12 23 00-0155	LF	3/4" Horizontal Or Flat Fillet Weld	44.73	
		For Aluminum Welding, Add	*7.76*	
		For Stainless Steel Welding, Add	*12.50*	
		For Up To 25, Add	*15.22*	
		For >25 To 50, Add	*10.83*	
05 12 23 00-0156	LF	7/8" Horizontal Or Flat Fillet Weld	67.67	
		For Aluminum Welding, Add	*11.19*	
		For Stainless Steel Welding, Add	*18.22*	
		For Up To 25, Add	*23.25*	
		For >25 To 50, Add	*16.57*	
05 12 23 00-0157	LF	1" Horizontal Or Flat Fillet Weld	89.24	
		For Aluminum Welding, Add	*15.35*	
		For Stainless Steel Welding, Add	*24.76*	
		For Up To 25, Add	*30.42*	
		For >25 To 50, Add	*21.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0158		**Cold Galvanizing** *(05 12 23 00-0114)*		
05 12 23 00-0159	SF	Brush Applied Cold Galvanizing	1.49	
05 12 23 00-0160		**Metal Grinding** *(05 12 23 00-0114)*		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0161	SI	Metal Grinding Up To 1/32" Thickness To Be Removed	0.81	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0162		**Structural Steel For Buildings And Structures** *(05 12 23)*		
05 12 23 00-0163		**First Tier A992/A36 Structural Steel Columns, W Shapes** *(05 12 23 00-0162)*		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0164	LF	W14 x 730 A992/A36 Structural Column	1,006.88	58.39
		For High Strength Low Alloy A572-50 Steel, Add	*90.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*201.38*	
05 12 23 00-0165	LF	W14 x 665 A992/A36 Structural Column	918.54	54.42
		For High Strength Low Alloy A572-50 Steel, Add	*82.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*183.71*	
05 12 23 00-0166	LF	W14 x 605 A992/A36 Structural Column	836.90	50.65
		For High Strength Low Alloy A572-50 Steel, Add	*75.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*167.38*	
05 12 23 00-0167	LF	W14 x 550 A992/A36 Structural Column	761.94	47.12
		For High Strength Low Alloy A572-50 Steel, Add	*68.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*152.39*	
05 12 23 00-0168	LF	W14 x 500 A992/A36 Structural Column	698.84	48.56
		For High Strength Low Alloy A572-50 Steel, Add	*62.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*139.77*	
05 12 23 00-0169	LF	W14 x 426 A992/A36 Structural Column	596.44	42.40
		For High Strength Low Alloy A572-50 Steel, Add	*53.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*119.29*	
05 12 23 00-0170	LF	W14 x 342 A992/A36 Structural Column	482.76	36.70
		For High Strength Low Alloy A572-50 Steel, Add	*43.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*96.55*	
05 12 23 00-0171	LF	W14 x 311 A992/A36 Structural Column	435.05	34.27
		For High Strength Low Alloy A572-50 Steel, Add	*39.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.01*	
05 12 23 00-0172	LF	W14 x 283 A992/A36 Structural Column	395.11	32.31
		For High Strength Low Alloy A572-50 Steel, Add	*35.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*79.02*	
05 12 23 00-0173	LF	W14 x 257 A992/A36 Structural Column	347.73	30.63
		For High Strength Low Alloy A572-50 Steel, Add	*31.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.55*	
05 12 23 00-0174	LF	W14 x 233 A992/A36 Structural Column	320.07	28.48
		For High Strength Low Alloy A572-50 Steel, Add	*28.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.01*	
05 12 23 00-0175	LF	W14 x 211 A992/A36 Structural Column	284.92	26.52
		For High Strength Low Alloy A572-50 Steel, Add	*25.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*56.98*	
05 12 23 00-0176	LF	W14 x 193 A992/A36 Structural Column	257.94	25.21
		For High Strength Low Alloy A572-50 Steel, Add	*23.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.59*	
05 12 23 00-0177	LF	W14 x 176 A992/A36 Structural Column	232.74	24.10
		For High Strength Low Alloy A572-50 Steel, Add	*20.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.55*	
05 12 23 00-0178	LF	W14 x 159 A992/A36 Structural Column	210.72	23.25
		For High Strength Low Alloy A572-50 Steel, Add	*18.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.14*	
05 12 23 00-0179	LF	W14 x 145 A992/A36 Structural Column	203.65	22.50
		For High Strength Low Alloy A572-50 Steel, Add	*18.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.73*	
05 12 23 00-0180	LF	W14 x 132 A992/A36 Structural Column	174.59	21.48
		For High Strength Low Alloy A572-50 Steel, Add	*15.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.92*	
05 12 23 00-0181	LF	W14 x 120 A992/A36 Structural Column	163.86	20.92
		For High Strength Low Alloy A572-50 Steel, Add	*14.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.77*	
05 12 23 00-0182	LF	W14 x 109 A992/A36 Structural Column	146.97	20.08
		For High Strength Low Alloy A572-50 Steel, Add	*13.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.39*	
05 12 23 00-0183	LF	W14 x 99 A992/A36 Structural Column	134.32	19.52
		For High Strength Low Alloy A572-50 Steel, Add	*12.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.86*	
05 12 23 00-0184	LF	W14 x 90 A992/A36 Structural Column	124.98	19.05
		For High Strength Low Alloy A572-50 Steel, Add	*11.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.00*	
05 12 23 00-0185	LF	W14 x 82 A992/A36 Structural Column	115.32	18.50
		For High Strength Low Alloy A572-50 Steel, Add	*10.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.06*	
05 12 23 00-0186	LF	W14 x 74 A992/A36 Structural Column	104.36	18.03
		For High Strength Low Alloy A572-50 Steel, Add	*9.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0187	LF	W14 x 68 A992/A36 Structural Column	97.66	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*8.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.53*	
05 12 23 00-0188	LF	W14 x 61 A992/A36 Structural Column	89.27	17.28
		For High Strength Low Alloy A572-50 Steel, Add	*8.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.85*	
05 12 23 00-0189	LF	W14 x 53 A992/A36 Structural Column	81.52	16.81
		For High Strength Low Alloy A572-50 Steel, Add	*7.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.30*	
05 12 23 00-0190	LF	W14 x 48 A992/A36 Structural Column	76.53	16.53
		For High Strength Low Alloy A572-50 Steel, Add	*6.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.31*	
05 12 23 00-0191	LF	W14 x 43 A992/A36 Structural Column	69.31	16.25
		For High Strength Low Alloy A572-50 Steel, Add	*6.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.86*	
05 12 23 00-0192	LF	W12 x 336 A992/A36 Structural Column	459.01	26.00
		For High Strength Low Alloy A572-50 Steel, Add	*41.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*91.80*	
05 12 23 00-0193	LF	W12 x 305 A992/A36 Structural Column	418.67	25.49
		For High Strength Low Alloy A572-50 Steel, Add	*37.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*83.73*	
05 12 23 00-0194	LF	W12 x 279 A992/A36 Structural Column	384.97	25.18
		For High Strength Low Alloy A572-50 Steel, Add	*34.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*76.99*	
05 12 23 00-0195	LF	W12 x 252 A992/A36 Structural Column	349.64	24.55
		For High Strength Low Alloy A572-50 Steel, Add	*31.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.93*	
05 12 23 00-0196	LF	W12 x 230 A992/A36 Structural Column	321.02	24.19
		For High Strength Low Alloy A572-50 Steel, Add	*28.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.20*	
05 12 23 00-0197	LF	W12 x 210 A992/A36 Structural Column	294.99	23.86
		For High Strength Low Alloy A572-50 Steel, Add	*26.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*59.00*	
05 12 23 00-0198	LF	W12 x 190 A992/A36 Structural Column	271.44	25.78
		For High Strength Low Alloy A572-50 Steel, Add	*24.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*54.29*	
05 12 23 00-0199	LF	W12 x 170 A992/A36 Structural Column	245.59	25.03
		For High Strength Low Alloy A572-50 Steel, Add	*22.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.12*	
05 12 23 00-0200	LF	W12 x 152 A992/A36 Structural Column	221.53	23.25
		For High Strength Low Alloy A572-50 Steel, Add	*19.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.31*	
05 12 23 00-0201	LF	W12 x 136 A992/A36 Structural Column	210.71	22.60
		For High Strength Low Alloy A572-50 Steel, Add	*18.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.14*	
05 12 23 00-0202	LF	W12 x 120 A992/A36 Structural Column	160.23	20.73
		For High Strength Low Alloy A572-50 Steel, Add	*14.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.05*	
05 12 23 00-0203	LF	W12 x 106 A992/A36 Structural Column	147.83	20.08
		For High Strength Low Alloy A572-50 Steel, Add	*13.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.57*	
05 12 23 00-0204	LF	W12 x 96 A992/A36 Structural Column	132.53	19.42
		For High Strength Low Alloy A572-50 Steel, Add	*11.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.51*	
05 12 23 00-0205	LF	W12 x 87 A992/A36 Structural Column	122.43	18.77
		For High Strength Low Alloy A572-50 Steel, Add	*11.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.49*	
05 12 23 00-0206	LF	W12 x 79 A992/A36 Structural Column	107.75	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*9.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.55*	
05 12 23 00-0207	LF	W12 x 72 A992/A36 Structural Column	98.83	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*8.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.77*	
05 12 23 00-0208	LF	W12 x 65 A992/A36 Structural Column	90.55	17.37
		For High Strength Low Alloy A572-50 Steel, Add	*8.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.11*	
05 12 23 00-0209	LF	W12 x 58 A992/A36 Structural Column	87.69	17.18
		For High Strength Low Alloy A572-50 Steel, Add	*7.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.54*	
05 12 23 00-0210	LF	W12 x 53 A992/A36 Structural Column	81.52	16.81
		For High Strength Low Alloy A572-50 Steel, Add	*7.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.30*	
05 12 23 00-0211	LF	W12 x 50 A992/A36 Structural Column	79.08	16.71
		For High Strength Low Alloy A572-50 Steel, Add	*7.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.82*	
05 12 23 00-0212	LF	W12 x 45 A992/A36 Structural Column	72.06	16.35
		For High Strength Low Alloy A572-50 Steel, Add	*6.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.41*	
05 12 23 00-0213	LF	W12 x 40 A992/A36 Structural Column	64.84	15.97
		For High Strength Low Alloy A572-50 Steel, Add	*5.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.97*	
05 12 23 00-0214	LF	W10 x 112 A992/A36 Structural Column	154.52	20.46
		For High Strength Low Alloy A572-50 Steel, Add	*13.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0215	LF	W10 x 110 A992/A36 Structural Column	139.97	19.61
		For High Strength Low Alloy A572-50 Steel, Add	*12.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.99*	
05 12 23 00-0216	LF	W10 x 88 A992/A36 Structural Column	126.06	18.96
		For High Strength Low Alloy A572-50 Steel, Add	*11.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.21*	
05 12 23 00-0217	LF	W10 x 77 A992/A36 Structural Column	112.35	18.21
		For High Strength Low Alloy A572-50 Steel, Add	*10.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.47*	
05 12 23 00-0218	LF	W10 x 68 A992/A36 Structural Column	101.40	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*9.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.28*	
05 12 23 00-0219	LF	W10 x 60 A992/A36 Structural Column	89.27	17.28
		For High Strength Low Alloy A572-50 Steel, Add	*8.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.85*	
05 12 23 00-0220	LF	W10 x 54 A992/A36 Structural Column	88.66	16.99
		For High Strength Low Alloy A572-50 Steel, Add	*7.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.73*	
05 12 23 00-0221	LF	W10 x 49 A992/A36 Structural Column	78.13	16.71
		For High Strength Low Alloy A572-50 Steel, Add	*7.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.63*	
05 12 23 00-0222	LF	W10 x 45 A992/A36 Structural Column	75.48	16.44
		For High Strength Low Alloy A572-50 Steel, Add	*6.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.10*	
05 12 23 00-0223	LF	W10 x 39 A992/A36 Structural Column	66.00	16.16
		For High Strength Low Alloy A572-50 Steel, Add	*5.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.20*	
05 12 23 00-0224	LF	W10 x 33 A992/A36 Structural Column	57.83	15.69
		For High Strength Low Alloy A572-50 Steel, Add	*5.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.57*	
05 12 23 00-0225	LF	W8 x 67 A992/A36 Structural Column	97.76	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*8.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.55*	
05 12 23 00-0226	LF	W8 x 58 A992/A36 Structural Column	88.01	17.18
		For High Strength Low Alloy A572-50 Steel, Add	*7.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.60*	
05 12 23 00-0227	LF	W8 x 48 A992/A36 Structural Column	78.99	16.71
		For High Strength Low Alloy A572-50 Steel, Add	*7.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.80*	
05 12 23 00-0228	LF	W8 x 40 A992/A36 Structural Column	68.13	16.25
		For High Strength Low Alloy A572-50 Steel, Add	*6.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.63*	
05 12 23 00-0229	LF	W8 x 35 A992/A36 Structural Column	61.76	15.88
		For High Strength Low Alloy A572-50 Steel, Add	*5.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.35*	
05 12 23 00-0230	LF	W8 x 31 A992/A36 Structural Column	56.65	15.69
		For High Strength Low Alloy A572-50 Steel, Add	*5.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.33*	
05 12 23 00-0231	LF	W8 x 28 A992/A36 Structural Column	53.47	15.50
		For High Strength Low Alloy A572-50 Steel, Add	*4.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.69*	
05 12 23 00-0232	LF	W8 x 24 A992/A36 Structural Column	49.65	15.31
		For High Strength Low Alloy A572-50 Steel, Add	*4.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.93*	
05 12 23 00-0233	LF	W8 x 21 A992/A36 Structural Column	47.10	15.22
		For High Strength Low Alloy A572-50 Steel, Add	*4.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.42*	
05 12 23 00-0234	LF	W8 x 18 A992/A36 Structural Column	42.31	14.94
		For High Strength Low Alloy A572-50 Steel, Add	*3.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.46*	
05 12 23 00-0235	LF	W6 x 25 A992/A36 Structural Column	52.00	15.31
		For High Strength Low Alloy A572-50 Steel, Add	*4.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.40*	
05 12 23 00-0236	LF	W6 x 20 A992/A36 Structural Column	44.33	15.03
		For High Strength Low Alloy A572-50 Steel, Add	*3.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.87*	
05 12 23 00-0237	LF	W6 x 15 A992/A36 Structural Column	38.30	14.57
		For High Strength Low Alloy A572-50 Steel, Add	*3.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.66*	
05 12 23 00-0238	LF	W6 x 12 A992/A36 Structural Column	36.05	14.57
		For High Strength Low Alloy A572-50 Steel, Add	*3.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.21*	
05 12 23 00-0239	LF	W6 x 9 A992/A36 Structural Column	33.17	14.48
		For High Strength Low Alloy A572-50 Steel, Add	*2.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.63*	
05 12 23 00-0240	LF	W5 x 19 A992/A36 Structural Column	43.69	15.03
		For High Strength Low Alloy A572-50 Steel, Add	*3.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.74*	
05 12 23 00-0241	LF	W5 x 16 A992/A36 Structural Column	40.40	14.94
		For High Strength Low Alloy A572-50 Steel, Add	*3.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.08*	
05 12 23 00-0242	LF	W4 x 13 A992/A36 Structural Column	37.96	14.75
		For High Strength Low Alloy A572-50 Steel, Add	*3.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0243		A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0162)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0244	LF	W36 x 300 A992/A36 Structural Beam Or Girder	343.16	63.94
		For High Strength Low Alloy A572-50 Steel, Add	*30.88*	
		For High Strength Low Alloy A588 Steel, Add	*68.63*	
		For Each Additional Top Copes >2, Add	*2.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-109.88*	
		For Skewed Or Sloped Connections, Add	*41.18*	
05 12 23 00-0245	LF	W36 x 280 A992/A36 Structural Beam Or Girder	331.34	70.04
		For High Strength Low Alloy A572-50 Steel, Add	*29.82*	
		For High Strength Low Alloy A588 Steel, Add	*66.27*	
		For Each Additional Top Copes >2, Add	*2.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.76*	
		For Skewed Or Sloped Connections, Add	*39.76*	
05 12 23 00-0246	LF	W36 x 260 A992/A36 Structural Beam Or Girder	314.45	69.21
		For High Strength Low Alloy A572-50 Steel, Add	*28.30*	
		For High Strength Low Alloy A588 Steel, Add	*62.89*	
		For Each Additional Top Copes >2, Add	*2.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.99*	
		For Skewed Or Sloped Connections, Add	*37.73*	
05 12 23 00-0247	LF	W36 x 240 A992/A36 Structural Beam Or Girder	294.29	61.63
		For High Strength Low Alloy A572-50 Steel, Add	*26.49*	
		For High Strength Low Alloy A588 Steel, Add	*58.86*	
		For Each Additional Top Copes >2, Add	*2.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-93.14*	
		For Skewed Or Sloped Connections, Add	*35.31*	
05 12 23 00-0248	LF	W36 x 230 A992/A36 Structural Beam Or Girder	285.70	62.50
		For High Strength Low Alloy A572-50 Steel, Add	*25.71*	
		For High Strength Low Alloy A588 Steel, Add	*57.14*	
		For Each Additional Top Copes >2, Add	*2.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.00*	
		For Skewed Or Sloped Connections, Add	*34.28*	
05 12 23 00-0249	LF	W36 x 210 A992/A36 Structural Beam Or Girder	271.43	66.96
		For High Strength Low Alloy A572-50 Steel, Add	*24.43*	
		For High Strength Low Alloy A588 Steel, Add	*54.29*	
		For Each Additional Top Copes >2, Add	*2.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.28*	
		For Skewed Or Sloped Connections, Add	*32.57*	
05 12 23 00-0250	LF	W36 x 194 A992/A36 Structural Beam Or Girder	256.92	59.78
		For High Strength Low Alloy A572-50 Steel, Add	*23.12*	
		For High Strength Low Alloy A588 Steel, Add	*51.38*	
		For Each Additional Top Copes >2, Add	*1.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-80.36*	
		For Skewed Or Sloped Connections, Add	*30.83*	
05 12 23 00-0251	LF	W36 x 182 A992/A36 Structural Beam Or Girder	244.51	59.34
		For High Strength Low Alloy A572-50 Steel, Add	*22.01*	
		For High Strength Low Alloy A588 Steel, Add	*48.90*	
		For Each Additional Top Copes >2, Add	*1.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.08*	
		For Skewed Or Sloped Connections, Add	*29.34*	
05 12 23 00-0252	LF	W36 x 170 A992/A36 Structural Beam Or Girder	231.82	58.66
		For High Strength Low Alloy A572-50 Steel, Add	*20.86*	
		For High Strength Low Alloy A588 Steel, Add	*46.36*	
		For Each Additional Top Copes >2, Add	*1.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.75*	
		For Skewed Or Sloped Connections, Add	*27.82*	
05 12 23 00-0253	LF	W36 x 160 A992/A36 Structural Beam Or Girder	228.42	64.81
		For High Strength Low Alloy A572-50 Steel, Add	*20.56*	
		For High Strength Low Alloy A588 Steel, Add	*45.68*	
		For Each Additional Top Copes >2, Add	*1.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.58*	
		For Skewed Or Sloped Connections, Add	*27.41*	
05 12 23 00-0254	LF	W36 x 150 A992/A36 Structural Beam Or Girder	219.60	64.35
		For High Strength Low Alloy A572-50 Steel, Add	*19.76*	
		For High Strength Low Alloy A588 Steel, Add	*43.92*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.56*	
		For Skewed Or Sloped Connections, Add	*26.35*	
05 12 23 00-0255	LF	W36 x 135 A992/A36 Structural Beam Or Girder	207.28	63.78
		For High Strength Low Alloy A572-50 Steel, Add	*18.66*	
		For High Strength Low Alloy A588 Steel, Add	*41.46*	
		For Each Additional Top Copes >2, Add	*1.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.35*	
		For Skewed Or Sloped Connections, Add	*24.87*	
05 12 23 00-0256	LF	W33 x 241 A992/A36 Structural Beam Or Girder	298.35	63.57
		For High Strength Low Alloy A572-50 Steel, Add	*26.85*	
		For High Strength Low Alloy A588 Steel, Add	*59.67*	
		For Each Additional Top Copes >2, Add	*2.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-94.25*	
		For Skewed Or Sloped Connections, Add	*35.80*	
05 12 23 00-0257	LF	W33 x 221 A992/A36 Structural Beam Or Girder	277.57	62.01
		For High Strength Low Alloy A572-50 Steel, Add	*24.98*	
		For High Strength Low Alloy A588 Steel, Add	*55.51*	
		For Each Additional Top Copes >2, Add	*2.11*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.23*	
		For Skewed Or Sloped Connections, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0258	LF	W33 x 201 A992/A36 Structural Beam Or Girder	263.26	66.49
		For High Strength Low Alloy A572-50 Steel, Add	*23.69*	
		For High Strength Low Alloy A588 Steel, Add	*52.65*	
		For Each Additional Top Copes >2, Add	*1.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.49*	
		For Skewed Or Sloped Connections, Add	*31.59*	
05 12 23 00-0259	LF	W33 x 170 A992/A36 Structural Beam Or Girder	237.88	65.28
		For High Strength Low Alloy A572-50 Steel, Add	*21.41*	
		For High Strength Low Alloy A588 Steel, Add	*47.58*	
		For Each Additional Top Copes >2, Add	*1.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.82*	
		For Skewed Or Sloped Connections, Add	*28.55*	
05 12 23 00-0260	LF	W33 x 152 A992/A36 Structural Beam Or Girder	217.95	58.47
		For High Strength Low Alloy A572-50 Steel, Add	*19.62*	
		For High Strength Low Alloy A588 Steel, Add	*43.59*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.93*	
		For Skewed Or Sloped Connections, Add	*26.15*	
05 12 23 00-0261	LF	W33 x 141 A992/A36 Structural Beam Or Girder	212.59	63.97
		For High Strength Low Alloy A572-50 Steel, Add	*19.13*	
		For High Strength Low Alloy A588 Steel, Add	*42.52*	
		For Each Additional Top Copes >2, Add	*1.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.17*	
		For Skewed Or Sloped Connections, Add	*25.51*	
05 12 23 00-0262	LF	W33 x 130 A992/A36 Structural Beam Or Girder	202.62	63.51
		For High Strength Low Alloy A572-50 Steel, Add	*18.24*	
		For High Strength Low Alloy A588 Steel, Add	*40.52*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.76*	
		For Skewed Or Sloped Connections, Add	*24.31*	
05 12 23 00-0263	LF	W33 x 118 A992/A36 Structural Beam Or Girder	191.01	62.95
		For High Strength Low Alloy A572-50 Steel, Add	*17.19*	
		For High Strength Low Alloy A588 Steel, Add	*38.20*	
		For Each Additional Top Copes >2, Add	*1.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.78*	
		For Skewed Or Sloped Connections, Add	*22.92*	
05 12 23 00-0264	LF	W30 x 211 A992/A36 Structural Beam Or Girder	266.85	61.89
		For High Strength Low Alloy A572-50 Steel, Add	*24.02*	
		For High Strength Low Alloy A588 Steel, Add	*53.37*	
		For Each Additional Top Copes >2, Add	*2.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.49*	
		For Skewed Or Sloped Connections, Add	*32.02*	
05 12 23 00-0265	LF	W30 x 191 A992/A36 Structural Beam Or Girder	252.30	66.02
		For High Strength Low Alloy A572-50 Steel, Add	*22.71*	
		For High Strength Low Alloy A588 Steel, Add	*50.46*	
		For Each Additional Top Copes >2, Add	*1.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.73*	
		For Skewed Or Sloped Connections, Add	*30.28*	
05 12 23 00-0266	LF	W30 x 173 A992/A36 Structural Beam Or Girder	232.71	59.07
		For High Strength Low Alloy A572-50 Steel, Add	*20.94*	
		For High Strength Low Alloy A588 Steel, Add	*46.54*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.00*	
		For Skewed Or Sloped Connections, Add	*27.93*	
05 12 23 00-0267	LF	W30 x 154 A992/A36 Structural Beam Or Girder	219.80	64.44
		For High Strength Low Alloy A572-50 Steel, Add	*19.78*	
		For High Strength Low Alloy A588 Steel, Add	*43.96*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.62*	
		For Skewed Or Sloped Connections, Add	*26.38*	
05 12 23 00-0268	LF	W30 x 132 A992/A36 Structural Beam Or Girder	197.73	56.99
		For High Strength Low Alloy A572-50 Steel, Add	*17.80*	
		For High Strength Low Alloy A588 Steel, Add	*39.55*	
		For Each Additional Top Copes >2, Add	*1.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.09*	
		For Skewed Or Sloped Connections, Add	*23.73*	
05 12 23 00-0269	LF	W30 x 124 A992/A36 Structural Beam Or Girder	189.39	56.96
		For High Strength Low Alloy A572-50 Steel, Add	*17.05*	
		For High Strength Low Alloy A588 Steel, Add	*37.88*	
		For Each Additional Top Copes >2, Add	*1.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.17*	
		For Skewed Or Sloped Connections, Add	*22.73*	
05 12 23 00-0270	LF	W30 x 116 A992/A36 Structural Beam Or Girder	187.40	62.85
		For High Strength Low Alloy A572-50 Steel, Add	*16.87*	
		For High Strength Low Alloy A588 Steel, Add	*37.48*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.53*	
		For Skewed Or Sloped Connections, Add	*22.49*	
05 12 23 00-0271	LF	W30 x 108 A992/A36 Structural Beam Or Girder	172.96	56.59
		For High Strength Low Alloy A572-50 Steel, Add	*15.57*	
		For High Strength Low Alloy A588 Steel, Add	*34.59*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.49*	
		For Skewed Or Sloped Connections, Add	*20.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0272	LF	W30 x 99 A992/A36 Structural Beam Or Girder	165.83	56.31
		For High Strength Low Alloy A572-50 Steel, Add	*14.92*	
		For High Strength Low Alloy A588 Steel, Add	*33.17*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.05*	
		For Skewed Or Sloped Connections, Add	*19.90*	
05 12 23 00-0273	LF	W27 x 178 A992/A36 Structural Beam Or Girder	259.67	69.16
		For High Strength Low Alloy A572-50 Steel, Add	*23.37*	
		For High Strength Low Alloy A588 Steel, Add	*51.93*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.82*	
		For Skewed Or Sloped Connections, Add	*31.16*	
05 12 23 00-0274	LF	W27 x 161 A992/A36 Structural Beam Or Girder	239.13	66.55
		For High Strength Low Alloy A572-50 Steel, Add	*21.52*	
		For High Strength Low Alloy A588 Steel, Add	*47.83*	
		For Each Additional Top Copes >2, Add	*1.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.05*	
		For Skewed Or Sloped Connections, Add	*28.70*	
05 12 23 00-0275	LF	W27 x 146 A992/A36 Structural Beam Or Girder	220.95	64.19
		For High Strength Low Alloy A572-50 Steel, Add	*19.89*	
		For High Strength Low Alloy A588 Steel, Add	*44.19*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.06*	
		For Skewed Or Sloped Connections, Add	*26.51*	
05 12 23 00-0276	LF	W27 x 114 A992/A36 Structural Beam Or Girder	175.94	53.32
		For High Strength Low Alloy A572-50 Steel, Add	*15.83*	
		For High Strength Low Alloy A588 Steel, Add	*35.19*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.05*	
		For Skewed Or Sloped Connections, Add	*21.11*	
05 12 23 00-0277	LF	W27 x 102 A992/A36 Structural Beam Or Girder	166.58	56.31
		For High Strength Low Alloy A572-50 Steel, Add	*14.99*	
		For High Strength Low Alloy A588 Steel, Add	*33.32*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.30*	
		For Skewed Or Sloped Connections, Add	*19.99*	
05 12 23 00-0278	LF	W27 x 94 A992/A36 Structural Beam Or Girder	159.88	55.94
		For High Strength Low Alloy A572-50 Steel, Add	*14.39*	
		For High Strength Low Alloy A588 Steel, Add	*31.98*	
		For Each Additional Top Copes >2, Add	*1.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.01*	
		For Skewed Or Sloped Connections, Add	*19.19*	
05 12 23 00-0279	LF	W27 x 84 A992/A36 Structural Beam Or Girder	151.71	55.57
		For High Strength Low Alloy A572-50 Steel, Add	*13.65*	
		For High Strength Low Alloy A588 Steel, Add	*30.34*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.22*	
		For Skewed Or Sloped Connections, Add	*18.21*	
05 12 23 00-0280	LF	W24 x 162 A992/A36 Structural Beam Or Girder	230.23	63.80
		For High Strength Low Alloy A572-50 Steel, Add	*20.72*	
		For High Strength Low Alloy A588 Steel, Add	*46.05*	
		For Each Additional Top Copes >2, Add	*1.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.37*	
		For Skewed Or Sloped Connections, Add	*27.63*	
05 12 23 00-0281	LF	W24 x 146 A992/A36 Structural Beam Or Girder	211.42	61.16
		For High Strength Low Alloy A572-50 Steel, Add	*19.03*	
		For High Strength Low Alloy A588 Steel, Add	*42.28*	
		For Each Additional Top Copes >2, Add	*1.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.21*	
		For Skewed Or Sloped Connections, Add	*25.37*	
05 12 23 00-0282	LF	W24 x 131 A992/A36 Structural Beam Or Girder	193.43	58.39
		For High Strength Low Alloy A572-50 Steel, Add	*17.41*	
		For High Strength Low Alloy A588 Steel, Add	*38.69*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.36*	
		For Skewed Or Sloped Connections, Add	*23.21*	
05 12 23 00-0283	LF	W24 x 117 A992/A36 Structural Beam Or Girder	176.30	55.48
		For High Strength Low Alloy A572-50 Steel, Add	*15.87*	
		For High Strength Low Alloy A588 Steel, Add	*35.26*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.83*	
		For Skewed Or Sloped Connections, Add	*21.16*	
05 12 23 00-0284	LF	W24 x 104 A992/A36 Structural Beam Or Girder	160.07	52.46
		For High Strength Low Alloy A572-50 Steel, Add	*14.41*	
		For High Strength Low Alloy A588 Steel, Add	*32.01*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.63*	
		For Skewed Or Sloped Connections, Add	*19.21*	
05 12 23 00-0285	LF	W24 x 94 A992/A36 Structural Beam Or Girder	153.78	55.94
		For High Strength Low Alloy A572-50 Steel, Add	*13.84*	
		For High Strength Low Alloy A588 Steel, Add	*30.76*	
		For Each Additional Top Copes >2, Add	*0.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.87*	
		For Skewed Or Sloped Connections, Add	*18.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0286	LF	W24 x 84 A992/A36 Structural Beam Or Girder	139.88	49.59
		For High Strength Low Alloy A572-50 Steel, Add	*12.59*	
		For High Strength Low Alloy A588 Steel, Add	*27.98*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.02*	
		For Skewed Or Sloped Connections, Add	*16.79*	
05 12 23 00-0287	LF	W24 x 76 A992/A36 Structural Beam Or Girder	133.63	49.22
		For High Strength Low Alloy A572-50 Steel, Add	*12.03*	
		For High Strength Low Alloy A588 Steel, Add	*26.73*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.88*	
		For Skewed Or Sloped Connections, Add	*16.04*	
05 12 23 00-0288	LF	W24 x 68 A992/A36 Structural Beam Or Girder	125.75	48.94
		For High Strength Low Alloy A572-50 Steel, Add	*11.32*	
		For High Strength Low Alloy A588 Steel, Add	*25.15*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.18*	
		For Skewed Or Sloped Connections, Add	*15.09*	
05 12 23 00-0289	LF	W24 x 62 A992/A36 Structural Beam Or Girder	121.63	48.66
		For High Strength Low Alloy A572-50 Steel, Add	*10.95*	
		For High Strength Low Alloy A588 Steel, Add	*24.33*	
		For Each Additional Top Copes >2, Add	*0.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.78*	
		For Skewed Or Sloped Connections, Add	*14.60*	
05 12 23 00-0290	LF	W24 x 55 A992/A36 Structural Beam Or Girder	115.98	48.47
		For High Strength Low Alloy A572-50 Steel, Add	*10.44*	
		For High Strength Low Alloy A588 Steel, Add	*23.20*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.85*	
		For Skewed Or Sloped Connections, Add	*13.92*	
05 12 23 00-0291	LF	W21 x 147 A992/A36 Structural Beam Or Girder	200.49	52.47
		For High Strength Low Alloy A572-50 Steel, Add	*18.04*	
		For High Strength Low Alloy A588 Steel, Add	*40.10*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.78*	
		For Skewed Or Sloped Connections, Add	*24.06*	
05 12 23 00-0292	LF	W21 x 132 A992/A36 Structural Beam Or Girder	183.24	50.13
		For High Strength Low Alloy A572-50 Steel, Add	*16.49*	
		For High Strength Low Alloy A588 Steel, Add	*36.65*	
		For Each Additional Top Copes >2, Add	*1.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.11*	
		For Skewed Or Sloped Connections, Add	*21.99*	
05 12 23 00-0293	LF	W21 x 122 A992/A36 Structural Beam Or Girder	172.51	49.29
		For High Strength Low Alloy A572-50 Steel, Add	*15.53*	
		For High Strength Low Alloy A588 Steel, Add	*34.50*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.49*	
		For Skewed Or Sloped Connections, Add	*20.70*	
05 12 23 00-0294	LF	W21 x 111 A992/A36 Structural Beam Or Girder	160.02	47.71
		For High Strength Low Alloy A572-50 Steel, Add	*14.40*	
		For High Strength Low Alloy A588 Steel, Add	*32.00*	
		For Each Additional Top Copes >2, Add	*1.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.37*	
		For Skewed Or Sloped Connections, Add	*19.20*	
05 12 23 00-0295	LF	W21 x 101 A992/A36 Structural Beam Or Girder	148.56	46.18
		For High Strength Low Alloy A572-50 Steel, Add	*13.37*	
		For High Strength Low Alloy A588 Steel, Add	*29.71*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.61*	
		For Skewed Or Sloped Connections, Add	*17.83*	
05 12 23 00-0296	LF	W21 x 93 A992/A36 Structural Beam Or Girder	144.94	50.15
		For High Strength Low Alloy A572-50 Steel, Add	*13.04*	
		For High Strength Low Alloy A588 Steel, Add	*28.99*	
		For Each Additional Top Copes >2, Add	*0.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.70*	
		For Skewed Or Sloped Connections, Add	*17.39*	
05 12 23 00-0297	LF	W21 x 83 A992/A36 Structural Beam Or Girder	137.53	49.59
		For High Strength Low Alloy A572-50 Steel, Add	*12.38*	
		For High Strength Low Alloy A588 Steel, Add	*27.51*	
		For Each Additional Top Copes >2, Add	*0.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.19*	
		For Skewed Or Sloped Connections, Add	*16.50*	
05 12 23 00-0298	LF	W21 x 73 A992/A36 Structural Beam Or Girder	128.49	49.22
		For High Strength Low Alloy A572-50 Steel, Add	*11.56*	
		For High Strength Low Alloy A588 Steel, Add	*25.70*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.10*	
		For Skewed Or Sloped Connections, Add	*15.42*	
05 12 23 00-0299	LF	W21 x 68 A992/A36 Structural Beam Or Girder	123.93	48.94
		For High Strength Low Alloy A572-50 Steel, Add	*11.15*	
		For High Strength Low Alloy A588 Steel, Add	*24.79*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.55*	
		For Skewed Or Sloped Connections, Add	*14.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0300	LF	W21 x 62 A992/A36 Structural Beam Or Girder	119.81	48.66
		For High Strength Low Alloy A572-50 Steel, Add	*10.78*	
		For High Strength Low Alloy A588 Steel, Add	*23.96*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.14*	
		For Skewed Or Sloped Connections, Add	*14.38*	
05 12 23 00-0301	LF	W21 x 57 A992/A36 Structural Beam Or Girder	116.08	48.56
		For High Strength Low Alloy A572-50 Steel, Add	*10.45*	
		For High Strength Low Alloy A588 Steel, Add	*23.22*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.87*	
		For Skewed Or Sloped Connections, Add	*13.93*	
05 12 23 00-0302	LF	W21 x 50 A992/A36 Structural Beam Or Girder	102.72	42.11
		For High Strength Low Alloy A572-50 Steel, Add	*9.24*	
		For High Strength Low Alloy A588 Steel, Add	*20.54*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.20*	
		For Skewed Or Sloped Connections, Add	*12.33*	
05 12 23 00-0303	LF	W21 x 44 A992/A36 Structural Beam Or Girder	98.37	41.94
		For High Strength Low Alloy A572-50 Steel, Add	*8.85*	
		For High Strength Low Alloy A588 Steel, Add	*19.67*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.72*	
		For Skewed Or Sloped Connections, Add	*11.80*	
05 12 23 00-0304	LF	W18 x 119 A992/A36 Structural Beam Or Girder	168.11	49.11
		For High Strength Low Alloy A572-50 Steel, Add	*15.13*	
		For High Strength Low Alloy A588 Steel, Add	*33.62*	
		For Each Additional Top Copes >2, Add	*1.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.98*	
		For Skewed Or Sloped Connections, Add	*20.17*	
05 12 23 00-0305	LF	W18 x 106 A992/A36 Structural Beam Or Girder	152.72	46.55
		For High Strength Low Alloy A572-50 Steel, Add	*13.74*	
		For High Strength Low Alloy A588 Steel, Add	*30.54*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.00*	
		For Skewed Or Sloped Connections, Add	*18.33*	
05 12 23 00-0306	LF	W18 x 97 A992/A36 Structural Beam Or Girder	147.93	50.15
		For High Strength Low Alloy A572-50 Steel, Add	*13.31*	
		For High Strength Low Alloy A588 Steel, Add	*29.59*	
		For Each Additional Top Copes >2, Add	*0.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.73*	
		For Skewed Or Sloped Connections, Add	*17.75*	
05 12 23 00-0307	LF	W18 x 86 A992/A36 Structural Beam Or Girder	139.45	49.69
		For High Strength Low Alloy A572-50 Steel, Add	*12.55*	
		For High Strength Low Alloy A588 Steel, Add	*27.89*	
		For Each Additional Top Copes >2, Add	*0.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.85*	
		For Skewed Or Sloped Connections, Add	*16.73*	
05 12 23 00-0308	LF	W18 x 76 A992/A36 Structural Beam Or Girder	131.81	49.22
		For High Strength Low Alloy A572-50 Steel, Add	*11.86*	
		For High Strength Low Alloy A588 Steel, Add	*26.36*	
		For Each Additional Top Copes >2, Add	*0.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.25*	
		For Skewed Or Sloped Connections, Add	*15.82*	
05 12 23 00-0309	LF	W18 x 71 A992/A36 Structural Beam Or Girder	126.26	49.12
		For High Strength Low Alloy A572-50 Steel, Add	*11.36*	
		For High Strength Low Alloy A588 Steel, Add	*25.25*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.33*	
		For Skewed Or Sloped Connections, Add	*15.15*	
05 12 23 00-0310	LF	W18 x 65 A992/A36 Structural Beam Or Girder	120.84	48.94
		For High Strength Low Alloy A572-50 Steel, Add	*10.88*	
		For High Strength Low Alloy A588 Steel, Add	*24.17*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.48*	
		For Skewed Or Sloped Connections, Add	*14.50*	
05 12 23 00-0311	LF	W18 x 60 A992/A36 Structural Beam Or Girder	115.96	48.56
		For High Strength Low Alloy A572-50 Steel, Add	*10.44*	
		For High Strength Low Alloy A588 Steel, Add	*23.19*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.81*	
		For Skewed Or Sloped Connections, Add	*13.92*	
05 12 23 00-0312	LF	W18 x 55 A992/A36 Structural Beam Or Girder	111.06	48.47
		For High Strength Low Alloy A572-50 Steel, Add	*10.00*	
		For High Strength Low Alloy A588 Steel, Add	*22.21*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.13*	
		For Skewed Or Sloped Connections, Add	*13.33*	
05 12 23 00-0313	LF	W18 x 50 A992/A36 Structural Beam Or Girder	99.72	42.11
		For High Strength Low Alloy A572-50 Steel, Add	*8.97*	
		For High Strength Low Alloy A588 Steel, Add	*19.94*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.15*	
		For Skewed Or Sloped Connections, Add	*11.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0314	LF	W18 x 46 A992/A36 Structural Beam Or Girder	95.90	42.02
		For High Strength Low Alloy A572-50 Steel, Add	*8.63*	
		For High Strength Low Alloy A588 Steel, Add	*19.18*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.84*	
		For Skewed Or Sloped Connections, Add	*11.51*	
05 12 23 00-0315	LF	W18 x 40 A992/A36 Structural Beam Or Girder	83.68	35.87
		For High Strength Low Alloy A572-50 Steel, Add	*7.53*	
		For High Strength Low Alloy A588 Steel, Add	*16.74*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.54*	
		For Skewed Or Sloped Connections, Add	*10.04*	
05 12 23 00-0316	LF	W18 x 35 A992/A36 Structural Beam Or Girder	78.89	35.77
		For High Strength Low Alloy A572-50 Steel, Add	*7.10*	
		For High Strength Low Alloy A588 Steel, Add	*15.78*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.90*	
		For Skewed Or Sloped Connections, Add	*9.47*	
05 12 23 00-0317	LF	W16 x 100 A992/A36 Structural Beam Or Girder	136.13	32.59
		For High Strength Low Alloy A572-50 Steel, Add	*12.25*	
		For High Strength Low Alloy A588 Steel, Add	*27.23*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.43*	
		For Skewed Or Sloped Connections, Add	*16.34*	
05 12 23 00-0318	LF	W16 x 89 A992/A36 Structural Beam Or Girder	125.29	32.04
		For High Strength Low Alloy A572-50 Steel, Add	*11.28*	
		For High Strength Low Alloy A588 Steel, Add	*25.06*	
		For Each Additional Top Copes >2, Add	*0.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.72*	
		For Skewed Or Sloped Connections, Add	*15.03*	
05 12 23 00-0319	LF	W16 x 77 A992/A36 Structural Beam Or Girder	113.70	31.66
		For High Strength Low Alloy A572-50 Steel, Add	*10.23*	
		For High Strength Low Alloy A588 Steel, Add	*22.74*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.74*	
		For Skewed Or Sloped Connections, Add	*13.64*	
05 12 23 00-0320	LF	W16 x 67 A992/A36 Structural Beam Or Girder	103.80	31.19
		For High Strength Low Alloy A572-50 Steel, Add	*9.34*	
		For High Strength Low Alloy A588 Steel, Add	*20.76*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.34*	
		For Skewed Or Sloped Connections, Add	*12.46*	
05 12 23 00-0321	LF	W16 x 57 A992/A36 Structural Beam Or Girder	94.02	30.72
		For High Strength Low Alloy A572-50 Steel, Add	*8.46*	
		For High Strength Low Alloy A588 Steel, Add	*18.80*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.99*	
		For Skewed Or Sloped Connections, Add	*11.28*	
05 12 23 00-0322	LF	W16 x 50 A992/A36 Structural Beam Or Girder	87.21	30.44
		For High Strength Low Alloy A572-50 Steel, Add	*7.85*	
		For High Strength Low Alloy A588 Steel, Add	*17.44*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.65*	
		For Skewed Or Sloped Connections, Add	*10.47*	
05 12 23 00-0323	LF	W16 x 45 A992/A36 Structural Beam Or Girder	82.41	30.26
		For High Strength Low Alloy A572-50 Steel, Add	*7.42*	
		For High Strength Low Alloy A588 Steel, Add	*16.48*	
		For Each Additional Top Copes >2, Add	*0.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.00*	
		For Skewed Or Sloped Connections, Add	*9.89*	
05 12 23 00-0324	LF	W16 x 40 A992/A36 Structural Beam Or Girder	77.43	29.98
		For High Strength Low Alloy A572-50 Steel, Add	*6.97*	
		For High Strength Low Alloy A588 Steel, Add	*15.49*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.29*	
		For Skewed Or Sloped Connections, Add	*9.29*	
05 12 23 00-0325	LF	W16 x 36 A992/A36 Structural Beam Or Girder	73.51	29.79
		For High Strength Low Alloy A572-50 Steel, Add	*6.62*	
		For High Strength Low Alloy A588 Steel, Add	*14.70*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.96*	
		For Skewed Or Sloped Connections, Add	*8.82*	
05 12 23 00-0326	LF	W16 x 31 A992/A36 Structural Beam Or Girder	62.35	23.72
		For High Strength Low Alloy A572-50 Steel, Add	*5.61*	
		For High Strength Low Alloy A588 Steel, Add	*12.47*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.03*	
		For Skewed Or Sloped Connections, Add	*7.48*	
05 12 23 00-0327	LF	W16 x 26 A992/A36 Structural Beam Or Girder	56.09	23.44
		For High Strength Low Alloy A572-50 Steel, Add	*5.05*	
		For High Strength Low Alloy A588 Steel, Add	*11.22*	
		For Each Additional Top Copes >2, Add	*0.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.88*	
		For Skewed Or Sloped Connections, Add	*6.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W14 x 99 A992/A36 Structural Beam Or Girder	128.90	26.71
		For High Strength Low Alloy A572-50 Steel, Add	*11.60*	
		For High Strength Low Alloy A588 Steel, Add	*25.78*	
		For Each Additional Top Copes >2, Add	*1.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.84*	
		For Skewed Or Sloped Connections, Add	*15.47*	
05 12 23 00-0329	LF	W14 x 90 A992/A36 Structural Beam Or Girder	120.08	26.25
		For High Strength Low Alloy A572-50 Steel, Add	*10.81*	
		For High Strength Low Alloy A588 Steel, Add	*24.02*	
		For Each Additional Top Copes >2, Add	*0.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.83*	
		For Skewed Or Sloped Connections, Add	*14.41*	
05 12 23 00-0330	LF	W14 x 82 A992/A36 Structural Beam Or Girder	112.23	25.97
		For High Strength Low Alloy A572-50 Steel, Add	*10.10*	
		For High Strength Low Alloy A588 Steel, Add	*22.45*	
		For Each Additional Top Copes >2, Add	*0.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.13*	
		For Skewed Or Sloped Connections, Add	*13.47*	
05 12 23 00-0331	LF	W14 x 74 A992/A36 Structural Beam Or Girder	104.36	25.59
		For High Strength Low Alloy A572-50 Steel, Add	*9.39*	
		For High Strength Low Alloy A588 Steel, Add	*20.87*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.43*	
		For Skewed Or Sloped Connections, Add	*12.52*	
05 12 23 00-0332	LF	W14 x 68 A992/A36 Structural Beam Or Girder	98.51	25.31
		For High Strength Low Alloy A572-50 Steel, Add	*8.87*	
		For High Strength Low Alloy A588 Steel, Add	*19.70*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.43*	
		For Skewed Or Sloped Connections, Add	*11.82*	
05 12 23 00-0333	LF	W14 x 61 A992/A36 Structural Beam Or Girder	91.70	25.03
		For High Strength Low Alloy A572-50 Steel, Add	*8.25*	
		For High Strength Low Alloy A588 Steel, Add	*18.34*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.09*	
		For Skewed Or Sloped Connections, Add	*11.00*	
05 12 23 00-0334	LF	W14 x 53 A992/A36 Structural Beam Or Girder	83.94	24.65
		For High Strength Low Alloy A572-50 Steel, Add	*7.55*	
		For High Strength Low Alloy A588 Steel, Add	*16.79*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.43*	
		For Skewed Or Sloped Connections, Add	*10.07*	
05 12 23 00-0335	LF	W14 x 48 A992/A36 Structural Beam Or Girder	78.95	24.38
		For High Strength Low Alloy A572-50 Steel, Add	*7.11*	
		For High Strength Low Alloy A588 Steel, Add	*15.79*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.72*	
		For Skewed Or Sloped Connections, Add	*9.47*	
05 12 23 00-0336	LF	W14 x 43 A992/A36 Structural Beam Or Girder	74.05	24.29
		For High Strength Low Alloy A572-50 Steel, Add	*6.66*	
		For High Strength Low Alloy A588 Steel, Add	*14.81*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.04*	
		For Skewed Or Sloped Connections, Add	*8.89*	
05 12 23 00-0337	LF	W14 x 38 A992/A36 Structural Beam Or Girder	69.16	24.10
		For High Strength Low Alloy A572-50 Steel, Add	*6.22*	
		For High Strength Low Alloy A588 Steel, Add	*13.83*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.37*	
		For Skewed Or Sloped Connections, Add	*8.30*	
05 12 23 00-0338	LF	W14 x 34 A992/A36 Structural Beam Or Girder	65.23	23.82
		For High Strength Low Alloy A572-50 Steel, Add	*5.87*	
		For High Strength Low Alloy A588 Steel, Add	*13.05*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.02*	
		For Skewed Or Sloped Connections, Add	*7.83*	
05 12 23 00-0339	LF	W14 x 30 A992/A36 Structural Beam Or Girder	61.29	23.72
		For High Strength Low Alloy A572-50 Steel, Add	*5.52*	
		For High Strength Low Alloy A588 Steel, Add	*12.26*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.67*	
		For Skewed Or Sloped Connections, Add	*7.35*	
05 12 23 00-0340	LF	W14 x 26 A992/A36 Structural Beam Or Girder	57.36	23.44
		For High Strength Low Alloy A572-50 Steel, Add	*5.16*	
		For High Strength Low Alloy A588 Steel, Add	*11.47*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.32*	
		For Skewed Or Sloped Connections, Add	*6.88*	
05 12 23 00-0341	LF	W14 x 22 A992/A36 Structural Beam Or Girder	53.53	23.35
		For High Strength Low Alloy A572-50 Steel, Add	*4.82*	
		For High Strength Low Alloy A588 Steel, Add	*10.71*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.01*	
		For Skewed Or Sloped Connections, Add	*6.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342	LF	W12 x 87 A992/A36 Structural Beam Or Girder	117.22	26.15
		For High Strength Low Alloy A572-50 Steel, Add	*10.55*	
		For High Strength Low Alloy A588 Steel, Add	*23.44*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.84*	
		For Skewed Or Sloped Connections, Add	*14.07*	
05 12 23 00-0343	LF	W12 x 79 A992/A36 Structural Beam Or Girder	109.35	25.78
		For High Strength Low Alloy A572-50 Steel, Add	*9.84*	
		For High Strength Low Alloy A588 Steel, Add	*21.87*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.14*	
		For Skewed Or Sloped Connections, Add	*13.12*	
05 12 23 00-0344	LF	W12 x 72 A992/A36 Structural Beam Or Girder	102.44	25.50
		For High Strength Low Alloy A572-50 Steel, Add	*9.22*	
		For High Strength Low Alloy A588 Steel, Add	*20.49*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.78*	
		For Skewed Or Sloped Connections, Add	*12.29*	
05 12 23 00-0345	LF	W12 x 65 A992/A36 Structural Beam Or Girder	95.62	25.21
		For High Strength Low Alloy A572-50 Steel, Add	*8.61*	
		For High Strength Low Alloy A588 Steel, Add	*19.12*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.43*	
		For Skewed Or Sloped Connections, Add	*11.47*	
05 12 23 00-0346	LF	W12 x 58 A992/A36 Structural Beam Or Girder	88.72	24.84
		For High Strength Low Alloy A572-50 Steel, Add	*7.98*	
		For High Strength Low Alloy A588 Steel, Add	*17.74*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.07*	
		For Skewed Or Sloped Connections, Add	*10.65*	
05 12 23 00-0347	LF	W12 x 53 A992/A36 Structural Beam Or Girder	83.94	24.65
		For High Strength Low Alloy A572-50 Steel, Add	*7.55*	
		For High Strength Low Alloy A588 Steel, Add	*16.79*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.43*	
		For Skewed Or Sloped Connections, Add	*10.07*	
05 12 23 00-0348	LF	W12 x 50 A992/A36 Structural Beam Or Girder	80.86	24.56
		For High Strength Low Alloy A572-50 Steel, Add	*7.28*	
		For High Strength Low Alloy A588 Steel, Add	*16.17*	
		For Each Additional Top Copes >2, Add	*0.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.38*	
		For Skewed Or Sloped Connections, Add	*9.70*	
05 12 23 00-0349	LF	W12 x 45 A992/A36 Structural Beam Or Girder	76.07	24.38
		For High Strength Low Alloy A572-50 Steel, Add	*6.85*	
		For High Strength Low Alloy A588 Steel, Add	*15.21*	
		For Each Additional Top Copes >2, Add	*0.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.73*	
		For Skewed Or Sloped Connections, Add	*9.13*	
05 12 23 00-0350	LF	W12 x 40 A992/A36 Structural Beam Or Girder	64.72	18.12
		For High Strength Low Alloy A572-50 Steel, Add	*5.82*	
		For High Strength Low Alloy A588 Steel, Add	*12.94*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.75*	
		For Skewed Or Sloped Connections, Add	*7.77*	
05 12 23 00-0351	LF	W12 x 35 A992/A36 Structural Beam Or Girder	59.93	18.03
		For High Strength Low Alloy A572-50 Steel, Add	*5.39*	
		For High Strength Low Alloy A588 Steel, Add	*11.99*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.10*	
		For Skewed Or Sloped Connections, Add	*7.19*	
05 12 23 00-0352	LF	W12 x 30 A992/A36 Structural Beam Or Girder	54.94	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*4.94*	
		For High Strength Low Alloy A588 Steel, Add	*10.99*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.40*	
		For Skewed Or Sloped Connections, Add	*6.59*	
05 12 23 00-0353	LF	W12 x 26 A992/A36 Structural Beam Or Girder	51.00	17.56
		For High Strength Low Alloy A572-50 Steel, Add	*4.59*	
		For High Strength Low Alloy A588 Steel, Add	*10.20*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.05*	
		For Skewed Or Sloped Connections, Add	*6.12*	
05 12 23 00-0354	LF	W12 x 22 A992/A36 Structural Beam Or Girder	47.19	17.37
		For High Strength Low Alloy A572-50 Steel, Add	*4.25*	
		For High Strength Low Alloy A588 Steel, Add	*9.44*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.74*	
		For Skewed Or Sloped Connections, Add	*5.66*	
05 12 23 00-0355	LF	W12 x 19 A992/A36 Structural Beam Or Girder	44.20	17.28
		For High Strength Low Alloy A572-50 Steel, Add	*3.98*	
		For High Strength Low Alloy A588 Steel, Add	*8.84*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.71*	
		For Skewed Or Sloped Connections, Add	*5.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0356	LF	W12 x 16 A992/A36 Structural Beam Or Girder	41.23	16.99
		For High Strength Low Alloy A572-50 Steel, Add	*3.71*	
		For High Strength Low Alloy A588 Steel, Add	*8.25*	
		For Each Additional Top Copes >2, Add	*0.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.70*	
		For Skewed Or Sloped Connections, Add	*4.95*	
05 12 23 00-0357	LF	W12 x 14 A992/A36 Structural Beam Or Girder	39.32	16.99
		For High Strength Low Alloy A572-50 Steel, Add	*3.54*	
		For High Strength Low Alloy A588 Steel, Add	*7.86*	
		For Each Additional Top Copes >2, Add	*0.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.04*	
		For Skewed Or Sloped Connections, Add	*4.72*	
05 12 23 00-0358	LF	W10 x 68 A992/A36 Structural Beam Or Girder	92.46	19.52
		For High Strength Low Alloy A572-50 Steel, Add	*8.32*	
		For High Strength Low Alloy A588 Steel, Add	*18.49*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.25*	
		For Skewed Or Sloped Connections, Add	*11.10*	
05 12 23 00-0359	LF	W10 x 60 A992/A36 Structural Beam Or Girder	84.70	19.14
		For High Strength Low Alloy A572-50 Steel, Add	*7.62*	
		For High Strength Low Alloy A588 Steel, Add	*16.94*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.59*	
		For Skewed Or Sloped Connections, Add	*10.16*	
05 12 23 00-0360	LF	W10 x 54 A992/A36 Structural Beam Or Girder	78.75	18.77
		For High Strength Low Alloy A572-50 Steel, Add	*7.09*	
		For High Strength Low Alloy A588 Steel, Add	*15.75*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.55*	
		For Skewed Or Sloped Connections, Add	*9.45*	
05 12 23 00-0361	LF	W10 x 49 A992/A36 Structural Beam Or Girder	73.87	18.58
		For High Strength Low Alloy A572-50 Steel, Add	*6.65*	
		For High Strength Low Alloy A588 Steel, Add	*14.77*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.88*	
		For Skewed Or Sloped Connections, Add	*8.86*	
05 12 23 00-0362	LF	W10 x 45 A992/A36 Structural Beam Or Girder	69.93	18.50
		For High Strength Low Alloy A572-50 Steel, Add	*6.29*	
		For High Strength Low Alloy A588 Steel, Add	*13.99*	
		For Each Additional Top Copes >2, Add	*0.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.53*	
		For Skewed Or Sloped Connections, Add	*8.39*	
05 12 23 00-0363	LF	W10 x 39 A992/A36 Structural Beam Or Girder	64.08	18.12
		For High Strength Low Alloy A572-50 Steel, Add	*5.77*	
		For High Strength Low Alloy A588 Steel, Add	*12.82*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.53*	
		For Skewed Or Sloped Connections, Add	*7.69*	
05 12 23 00-0364	LF	W10 x 33 A992/A36 Structural Beam Or Girder	58.23	17.84
		For High Strength Low Alloy A572-50 Steel, Add	*5.24*	
		For High Strength Low Alloy A588 Steel, Add	*11.65*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.52*	
		For Skewed Or Sloped Connections, Add	*6.99*	
05 12 23 00-0365	LF	W10 x 30 A992/A36 Structural Beam Or Girder	55.25	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*4.97*	
		For High Strength Low Alloy A588 Steel, Add	*11.05*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.49*	
		For Skewed Or Sloped Connections, Add	*6.63*	
05 12 23 00-0366	LF	W10 x 26 A992/A36 Structural Beam Or Girder	51.42	17.65
		For High Strength Low Alloy A572-50 Steel, Add	*4.63*	
		For High Strength Low Alloy A588 Steel, Add	*10.28*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.18*	
		For Skewed Or Sloped Connections, Add	*6.17*	
05 12 23 00-0367	LF	W10 x 22 A992/A36 Structural Beam Or Girder	47.41	17.37
		For High Strength Low Alloy A572-50 Steel, Add	*4.27*	
		For High Strength Low Alloy A588 Steel, Add	*9.48*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.82*	
		For Skewed Or Sloped Connections, Add	*5.69*	
05 12 23 00-0368	LF	W10 x 19 A992/A36 Structural Beam Or Girder	44.52	17.28
		For High Strength Low Alloy A572-50 Steel, Add	*4.01*	
		For High Strength Low Alloy A588 Steel, Add	*8.90*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.82*	
		For Skewed Or Sloped Connections, Add	*5.34*	
05 12 23 00-0369	LF	W10 x 17 A992/A36 Structural Beam Or Girder	42.51	17.18
		For High Strength Low Alloy A572-50 Steel, Add	*3.83*	
		For High Strength Low Alloy A588 Steel, Add	*8.50*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.13*	
		For Skewed Or Sloped Connections, Add	*5.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0370	LF	W10 x 15 A992/A36 Structural Beam Or Girder	40.59	16.99
		For High Strength Low Alloy A572-50 Steel, Add	*3.65*	
		For High Strength Low Alloy A588 Steel, Add	*8.12*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.48*	
		For Skewed Or Sloped Connections, Add	*4.87*	
05 12 23 00-0371	LF	W10 x 12 A992/A36 Structural Beam Or Girder	37.71	16.99
		For High Strength Low Alloy A572-50 Steel, Add	*3.39*	
		For High Strength Low Alloy A588 Steel, Add	*7.54*	
		For Each Additional Top Copes >2, Add	*0.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.48*	
		For Skewed Or Sloped Connections, Add	*4.53*	
05 12 23 00-0372	LF	W8 x 35 A992/A36 Structural Beam Or Girder	60.14	18.03
		For High Strength Low Alloy A572-50 Steel, Add	*5.41*	
		For High Strength Low Alloy A588 Steel, Add	*12.03*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.18*	
		For Skewed Or Sloped Connections, Add	*7.22*	
05 12 23 00-0373	LF	W8 x 31 A992/A36 Structural Beam Or Girder	56.22	17.75
		For High Strength Low Alloy A572-50 Steel, Add	*5.06*	
		For High Strength Low Alloy A588 Steel, Add	*11.24*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.83*	
		For Skewed Or Sloped Connections, Add	*6.75*	
05 12 23 00-0374	LF	W8 x 28 A992/A36 Structural Beam Or Girder	52.31	16.71
		For High Strength Low Alloy A572-50 Steel, Add	*4.71*	
		For High Strength Low Alloy A588 Steel, Add	*10.46*	
		For Each Additional Top Copes >2, Add	*0.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.63*	
		For Skewed Or Sloped Connections, Add	*6.28*	
05 12 23 00-0375	LF	W8 x 24 A992/A36 Structural Beam Or Girder	47.77	15.69
		For High Strength Low Alloy A572-50 Steel, Add	*4.30*	
		For High Strength Low Alloy A588 Steel, Add	*9.55*	
		For Each Additional Top Copes >2, Add	*0.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.21*	
		For Skewed Or Sloped Connections, Add	*5.73*	
05 12 23 00-0376	LF	W8 x 21 A992/A36 Structural Beam Or Girder	44.47	14.57
		For High Strength Low Alloy A572-50 Steel, Add	*4.00*	
		For High Strength Low Alloy A588 Steel, Add	*8.89*	
		For Each Additional Top Copes >2, Add	*0.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.22*	
		For Skewed Or Sloped Connections, Add	*5.34*	
05 12 23 00-0377	LF	W8 x 18 A992/A36 Structural Beam Or Girder	39.06	13.54
		For High Strength Low Alloy A572-50 Steel, Add	*3.52*	
		For High Strength Low Alloy A588 Steel, Add	*7.81*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.50*	
		For Skewed Or Sloped Connections, Add	*4.69*	
05 12 23 00-0378	LF	W8 x 10 A992/A36 Structural Beam Or Girder	23.41	9.71
		For High Strength Low Alloy A572-50 Steel, Add	*2.11*	
		For High Strength Low Alloy A588 Steel, Add	*4.68*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.65*	
		For Skewed Or Sloped Connections, Add	*2.81*	
05 12 23 00-0379	LF	W6 x 9 A992/A36 Structural Beam Or Girder	21.36	7.94
		For High Strength Low Alloy A572-50 Steel, Add	*1.92*	
		For High Strength Low Alloy A588 Steel, Add	*4.27*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.21*	
		For Skewed Or Sloped Connections, Add	*2.56*	

05 12 23 00-0380 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0162)*

Note: Includes material delivery and erection.

05 12 23 00-0381	LF	M14 x 18 A992/A36 Structural Steel	43.60	12.95
		For High Strength Low Alloy A572-50 Steel, Add	*3.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.72*	
05 12 23 00-0382	LF	M12 x 11.8 A992/A36 Structural Steel	31.74	11.45
		For High Strength Low Alloy A572-50 Steel, Add	*2.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.35*	
05 12 23 00-0383	LF	M10 x 9 A992/A36 Structural Steel	24.69	9.19
		For High Strength Low Alloy A572-50 Steel, Add	*2.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*4.94*	
05 12 23 00-0384	LF	M8 x 6.5 A992/A36 Structural Steel	17.84	6.63
		For High Strength Low Alloy A572-50 Steel, Add	*1.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.57*	
05 12 23 00-0385	LF	M6 x 20 A992/A36 Structural Steel	49.00	15.03
		For High Strength Low Alloy A572-50 Steel, Add	*4.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.80*	
05 12 23 00-0386	LF	M6 x 4.4 A992/A36 Structural Steel	12.06	4.49
		For High Strength Low Alloy A572-50 Steel, Add	*1.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*2.41*	
05 12 23 00-0387	LF	M5 x 18.9 A992/A36 Structural Steel	47.31	15.03
		For High Strength Low Alloy A572-50 Steel, Add	*4.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0388	LF	M4 x 13 A992/A36 Structural Steel	39.24	14.75
		For High Strength Low Alloy A572-50 Steel, Add	*3.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.85*	
05 12 23 00-0389		**A992/A36 Structural Steel, S Shapes** *(05 12 23 00-0162)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0390	LF	S24 x 121 A992/A36 Structural Steel	259.67	65.54
		For High Strength Low Alloy A572-50 Steel, Add	*23.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.93*	
05 12 23 00-0391	LF	S24 x 106 A992/A36 Structural Steel	230.72	60.44
		For High Strength Low Alloy A572-50 Steel, Add	*20.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.14*	
05 12 23 00-0392	LF	S24 x 100 A992/A36 Structural Steel	220.85	60.02
		For High Strength Low Alloy A572-50 Steel, Add	*19.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.17*	
05 12 23 00-0393	LF	S24 x 90 A992/A36 Structural Steel	201.80	56.87
		For High Strength Low Alloy A572-50 Steel, Add	*18.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.36*	
05 12 23 00-0394	LF	S24 x 80 A992/A36 Structural Steel	182.20	53.21
		For High Strength Low Alloy A572-50 Steel, Add	*16.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.44*	
05 12 23 00-0395	LF	S20 x 96 A992/A36 Structural Steel	212.02	57.62
		For High Strength Low Alloy A572-50 Steel, Add	*19.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.40*	
05 12 23 00-0396	LF	S20 x 86 A992/A36 Structural Steel	192.83	54.34
		For High Strength Low Alloy A572-50 Steel, Add	*17.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.57*	
05 12 23 00-0397	LF	S20 x 75 A992/A36 Structural Steel	170.81	49.88
		For High Strength Low Alloy A572-50 Steel, Add	*15.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.16*	
05 12 23 00-0398	LF	S20 x 66 A992/A36 Structural Steel	152.78	46.21
		For High Strength Low Alloy A572-50 Steel, Add	*13.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.56*	
05 12 23 00-0399	LF	S18 x 70 A992/A36 Structural Steel	162.05	49.00
		For High Strength Low Alloy A572-50 Steel, Add	*14.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.41*	
05 12 23 00-0400	LF	S18 x 54.7 A992/A36 Structural Steel	128.77	40.31
		For High Strength Low Alloy A572-50 Steel, Add	*11.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.75*	
05 12 23 00-0401	LF	S15 x 50 A992/A36 Structural Steel	119.78	38.79
		For High Strength Low Alloy A572-50 Steel, Add	*10.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.96*	
05 12 23 00-0402	LF	S15 x 42.9 A992/A36 Structural Steel	104.64	35.03
		For High Strength Low Alloy A572-50 Steel, Add	*9.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.93*	
05 12 23 00-0403	LF	S12 x 50 A992/A36 Structural Steel	117.71	36.84
		For High Strength Low Alloy A572-50 Steel, Add	*10.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.54*	
05 12 23 00-0404	LF	S12 x 40.8 A992/A36 Structural Steel	97.74	31.65
		For High Strength Low Alloy A572-50 Steel, Add	*8.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.55*	
05 12 23 00-0405	LF	S12 x 35 A992/A36 Structural Steel	85.36	28.58
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.07*	
05 12 23 00-0406	LF	S12 x 31.8 A992/A36 Structural Steel	79.02	27.33
		For High Strength Low Alloy A572-50 Steel, Add	*7.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.80*	
05 12 23 00-0407	LF	S10 x 35 A992/A36 Structural Steel	86.97	30.09
		For High Strength Low Alloy A572-50 Steel, Add	*7.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.39*	
05 12 23 00-0408	LF	S10 x 25.4 A992/A36 Structural Steel	64.34	22.98
		For High Strength Low Alloy A572-50 Steel, Add	*5.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.87*	
05 12 23 00-0409	LF	S8 x 23 A992/A36 Structural Steel	58.27	20.81
		For High Strength Low Alloy A572-50 Steel, Add	*5.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.65*	
05 12 23 00-0410	LF	S8 x 18.4 A992/A36 Structural Steel	47.54	17.53
		For High Strength Low Alloy A572-50 Steel, Add	*4.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.51*	
05 12 23 00-0411	LF	S7 x 20 A992/A36 Structural Steel	51.68	19.05
		For High Strength Low Alloy A572-50 Steel, Add	*4.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.34*	
05 12 23 00-0412	LF	S7 x 15.3 A992/A36 Structural Steel	40.35	15.34
		For High Strength Low Alloy A572-50 Steel, Add	*3.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.07*	
05 12 23 00-0413	LF	S6 x 17.25 A992/A36 Structural Steel	43.88	15.77
		For High Strength Low Alloy A572-50 Steel, Add	*3.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.78*	
05 12 23 00-0414	LF	S6 x 12.5 A992/A36 Structural Steel	37.79	14.57
		For High Strength Low Alloy A572-50 Steel, Add	*3.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.56*	
05 12 23 00-0415	LF	S5 x 14.75 A992/A36 Structural Steel	40.11	14.85
		For High Strength Low Alloy A572-50 Steel, Add	*3.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0416	LF	S5 x 10 A992/A36 Structural Steel	34.38	14.48
		For High Strength Low Alloy A572-50 Steel, Add	*3.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.88*	
05 12 23 00-0417	LF	S4 x 9.5 A992/A36 Structural Steel	33.51	14.48
		For High Strength Low Alloy A572-50 Steel, Add	*3.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.70*	
05 12 23 00-0418	LF	S4 x 7.7 A992/A36 Structural Steel	31.47	14.48
		For High Strength Low Alloy A572-50 Steel, Add	*2.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.29*	
05 12 23 00-0419	LF	S3 x 7.5 A992/A36 Structural Steel	31.27	14.48
		For High Strength Low Alloy A572-50 Steel, Add	*2.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.25*	
05 12 23 00-0420	LF	S3 x 5.7 A992/A36 Structural Steel	28.84	14.39
		For High Strength Low Alloy A572-50 Steel, Add	*2.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.77*	

05 12 23 00-0421 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0162)*

Note: Includes material delivery and erection.

05 12 23 00-0422	LF	HP14 x 117 A992/A36 Structural Steel	155.50	19.42
		For High Strength Low Alloy A572-50 Steel, Add	*14.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.10*	
05 12 23 00-0423	LF	HP14 x 102 A992/A36 Structural Steel	136.29	18.07
		For High Strength Low Alloy A572-50 Steel, Add	*12.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.26*	
05 12 23 00-0424	LF	HP14 x 89 A992/A36 Structural Steel	121.61	16.95
		For High Strength Low Alloy A572-50 Steel, Add	*10.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.32*	
05 12 23 00-0425	LF	HP14 x 73 A992/A36 Structural Steel	101.09	15.98
		For High Strength Low Alloy A572-50 Steel, Add	*9.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.22*	
05 12 23 00-0426	LF	HP13 x 100 A992/A36 Structural Steel	133.62	17.72
		For High Strength Low Alloy A572-50 Steel, Add	*12.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.72*	
05 12 23 00-0427	LF	HP13 x 87 A992/A36 Structural Steel	118.89	16.57
		For High Strength Low Alloy A572-50 Steel, Add	*10.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.78*	
05 12 23 00-0428	LF	HP13 x 73 A992/A36 Structural Steel	101.09	15.98
		For High Strength Low Alloy A572-50 Steel, Add	*9.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.22*	
05 12 23 00-0429	LF	HP13 x 60 A992/A36 Structural Steel	86.03	15.31
		For High Strength Low Alloy A572-50 Steel, Add	*7.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.21*	
05 12 23 00-0430	LF	HP12 x 84 A992/A36 Structural Steel	112.54	17.48
		For High Strength Low Alloy A572-50 Steel, Add	*10.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.51*	
05 12 23 00-0431	LF	HP12 x 74 A992/A36 Structural Steel	99.66	16.48
		For High Strength Low Alloy A572-50 Steel, Add	*8.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.93*	
05 12 23 00-0432	LF	HP12 x 63 A992/A36 Structural Steel	86.00	15.16
		For High Strength Low Alloy A572-50 Steel, Add	*7.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.20*	
05 12 23 00-0433	LF	HP12 x 53 A992/A36 Structural Steel	78.95	14.41
		For High Strength Low Alloy A572-50 Steel, Add	*7.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.79*	
05 12 23 00-0434	LF	HP10 x 57 A992/A36 Structural Steel	83.09	14.79
		For High Strength Low Alloy A572-50 Steel, Add	*7.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.62*	
05 12 23 00-0435	LF	HP10 x 42 A992/A36 Structural Steel	68.84	13.86
		For High Strength Low Alloy A572-50 Steel, Add	*6.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.77*	
05 12 23 00-0436	LF	HP8 x 36 A992/A36 Structural Steel	60.07	13.07
		For High Strength Low Alloy A572-50 Steel, Add	*5.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.01*	

05 12 23 00-0437 Lightweight Framing Steel Shapes *(05 12 23)*

05 12 23 00-0438 Angle Iron - L *(05 12 23 00-0437)*

05 12 23 00-0439 1/8" Thick *(05 12 23 00-0438)*

05 12 23 00-0440	LF	1/2" x 1/2" x 1/8" Angle Iron	2.04	1.33
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000, Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*0.86*	
		For Aluminum, Add	*0.05*	
		For Galvanized Steel, Add	*0.17*	
		For 304 Stainless Steel, Add	*0.77*	
		For High Strength Steel (HSS), Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0441	LF	3/4" x 1/2" x 1/8" Angle Iron	2.34	1.50
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*1.09*	
		For Aluminum, Add	*0.06*	
		For Galvanized Steel, Add	*0.21*	
		For 304 Stainless Steel, Add	*0.97*	
		For High Strength Steel (HSS), Add	*0.47*	
05 12 23 00-0442	LF	3/4" x 3/4" x 1/8" Angle Iron	2.63	1.66
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.47*	
		For 316 Stainless Steel, Add	*1.34*	
		For Aluminum, Add	*0.08*	
		For Galvanized Steel, Add	*0.26*	
		For 304 Stainless Steel, Add	*1.20*	
		For High Strength Steel (HSS), Add	*0.53*	
05 12 23 00-0443	LF	1" x 3/4" x 1/8" Angle Iron	2.95	1.84
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.53*	
		For 316 Stainless Steel, Add	*1.57*	
		For Aluminum, Add	*0.09*	
		For Galvanized Steel, Add	*0.30*	
		For 304 Stainless Steel, Add	*1.40*	
		For High Strength Steel (HSS), Add	*0.59*	
05 12 23 00-0444	LF	1" x 1" x 1/8" Angle Iron	3.22	1.99
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.57*	
		For 316 Stainless Steel, Add	*1.82*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.35*	
		For 304 Stainless Steel, Add	*1.62*	
		For High Strength Steel (HSS), Add	*0.64*	
05 12 23 00-0445	LF	1-1/4" x 1-1/4" x 1/8" Angle Iron	3.84	2.35
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.68*	
		For 316 Stainless Steel, Add	*2.30*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.45*	
		For 304 Stainless Steel, Add	*2.05*	
		For High Strength Steel (HSS), Add	*0.77*	
05 12 23 00-0446	LF	1-1/2" x 1" x 1/8" Angle Iron	3.84	2.35
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.68*	
		For 316 Stainless Steel, Add	*2.30*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.45*	
		For 304 Stainless Steel, Add	*2.05*	
		For High Strength Steel (HSS), Add	*0.77*	
05 12 23 00-0447	LF	1-1/2" x 1-1/2" x 1/8" Angle Iron	4.60	2.80
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*2.78*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.54*	
		For 304 Stainless Steel, Add	*2.48*	
		For High Strength Steel (HSS), Add	*0.92*	
05 12 23 00-0448	LF	2" x 2" x 1/8" Angle Iron	6.26	3.82
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.10*	
		For 316 Stainless Steel, Add	*3.78*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.73*	
		For 304 Stainless Steel, Add	*3.36*	
		For High Strength Steel (HSS), Add	*1.25*	

05 12 23 00-0449 3/16" Thick *(05 12 23 00-0438)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0450	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron	4.35	2.48
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.74*	
		For 316 Stainless Steel, Add	*3.36*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.65*	
		For 304 Stainless Steel, Add	*2.99*	
		For High Strength Steel (HSS), Add	*0.87*	
05 12 23 00-0451	LF	1-1/2" x 1" x 3/16" Angle Iron	4.35	2.48
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.74*	
		For 316 Stainless Steel, Add	*3.36*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.65*	
		For 304 Stainless Steel, Add	*2.99*	
		For High Strength Steel (HSS), Add	*0.87*	
05 12 23 00-0452	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron	4.81	2.65
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.80*	
		For 316 Stainless Steel, Add	*4.10*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.79*	
		For 304 Stainless Steel, Add	*3.65*	
		For High Strength Steel (HSS), Add	*0.96*	
05 12 23 00-0453	LF	2" x 2" x 3/16" Angle Iron	5.52	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*5.57*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.08*	
		For 304 Stainless Steel, Add	*4.96*	
		For High Strength Steel (HSS), Add	*1.10*	
05 12 23 00-0454	LF	2-1/2" x 2" x 3/16" Angle Iron	6.02	3.05
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.96*	
		For 316 Stainless Steel, Add	*6.27*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.22*	
		For 304 Stainless Steel, Add	*5.59*	
		For High Strength Steel (HSS), Add	*1.20*	
05 12 23 00-0455	LF	2-1/2" x 2-1/2" x 3/16" Angle Iron	6.55	3.26
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.04*	
		For 316 Stainless Steel, Add	*7.04*	
		For Aluminum, Add	*0.40*	
		For Galvanized Steel, Add	*1.36*	
		For 304 Stainless Steel, Add	*6.27*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0456	LF	3" x 2" x 3/16" Angle Iron	6.54	3.26
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.03*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For 304 Stainless Steel, Add	*6.24*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0457	LF	3" x 2-1/2" x 3/16" Angle Iron	7.22	3.60
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.14*	
		For 316 Stainless Steel, Add	*7.74*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.50*	
		For 304 Stainless Steel, Add	*6.90*	
		For High Strength Steel (HSS), Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0458	LF	3" x 3" x 3/16" Angle Iron	7.90	3.95
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000, Deduct	*-1.25*	
		For 316 Stainless Steel, Add	*8.48*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.64*	
		For 304 Stainless Steel, Add	*7.55*	
		For High Strength Steel (HSS), Add	*1.58*	
05 12 23 00-0459		1/4" Thick *(05 12 23 00-0438)*		
05 12 23 00-0460	LF	1-1/2" x 1" x 1/4" Angle Iron	4.84	2.62
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.80*	
		For 316 Stainless Steel, Add	*4.32*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.84*	
		For 304 Stainless Steel, Add	*3.85*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0461	LF	1-1/2" x 1-1/2" x 1/4" Angle Iron	5.38	2.80
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.87*	
		For 316 Stainless Steel, Add	*5.28*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
		For 304 Stainless Steel, Add	*4.70*	
		For High Strength Steel (HSS), Add	*1.08*	
05 12 23 00-0462	LF	2" x 2" x 1/4" Angle Iron	6.25	2.98
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*7.26*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.41*	
		For 304 Stainless Steel, Add	*6.47*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0463	LF	2-1/2" x 2" x 1/4" Angle Iron	6.99	3.30
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.08*	
		For 316 Stainless Steel, Add	*8.26*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.60*	
		For 304 Stainless Steel, Add	*7.35*	
		For High Strength Steel (HSS), Add	*1.40*	
05 12 23 00-0464	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron	7.75	3.62
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.19*	
		For 316 Stainless Steel, Add	*9.34*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.81*	
		For 304 Stainless Steel, Add	*8.32*	
		For High Strength Steel (HSS), Add	*1.55*	
05 12 23 00-0465	LF	3" x 2" x 1/4" Angle Iron	7.75	3.62
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.19*	
		For 316 Stainless Steel, Add	*9.34*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.81*	
		For 304 Stainless Steel, Add	*8.32*	
		For High Strength Steel (HSS), Add	*1.55*	
05 12 23 00-0466	LF	3" x 2-1/2" x 1/4" Angle Iron	8.58	4.03
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.31*	
		For 316 Stainless Steel, Add	*10.27*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.99*	
		For 304 Stainless Steel, Add	*9.15*	
		For High Strength Steel (HSS), Add	*1.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF	3" x 3" x 1/4" Angle Iron	9.39	4.42
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.44*	
		For 316 Stainless Steel, Add	*11.17*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.16*	
		For 304 Stainless Steel, Add	*9.95*	
		For High Strength Steel (HSS), Add	*1.88*	
05 12 23 00-0468	LF	3-1/2" x 3" x 1/4" Angle Iron	10.17	4.75
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.55*	
		For 316 Stainless Steel, Add	*12.29*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.38*	
		For 304 Stainless Steel, Add	*10.94*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0469	LF	3-1/2" x 3-1/2" x 1/4" Angle Iron	10.76	0.49
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.63*	
		For 316 Stainless Steel, Add	*13.25*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.57*	
		For 304 Stainless Steel, Add	*11.80*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0470	LF	4" x 3" x 1/4" Angle Iron	10.76	4.96
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.63*	
		For 316 Stainless Steel, Add	*13.25*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.57*	
		For 304 Stainless Steel, Add	*11.80*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0471	LF	4" x 3-1/2" x 1/4" Angle Iron	11.31	5.17
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.71*	
		For 316 Stainless Steel, Add	*14.11*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.73*	
		For 304 Stainless Steel, Add	*12.57*	
		For High Strength Steel (HSS), Add	*2.26*	
05 12 23 00-0472	LF	4" x 4" x 1/4" Angle Iron	11.90	5.40
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.79*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
		For 304 Stainless Steel, Add	*13.42*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0473	LF	5" x 3" x 1/4" Angle Iron	11.90	5.40
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.79*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
		For 304 Stainless Steel, Add	*13.42*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0474	LF	5" x 3-1/2" x 1/4" Angle Iron	12.56	5.69
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.89*	
		For 316 Stainless Steel, Add	*15.94*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*14.19*	
		For High Strength Steel (HSS), Add	*2.51*	

05 12 23 00-0475 5/16" Thick *(05 12 23 00-0438)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF	2-1/2" x 2" x 5/16" Angle Iron	8.33	3.85
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.26*	
		For 316 Stainless Steel, Add	*10.27*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.99*	
		For 304 Stainless Steel, Add	*9.15*	
		For High Strength Steel (HSS), Add	*1.67*	
05 12 23 00-0477	LF	2-1/2" x 2-1/2" x 5/16" Angle Iron	9.01	4.08
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*11.42*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
		For 304 Stainless Steel, Add	*10.17*	
		For High Strength Steel (HSS), Add	*1.80*	
05 12 23 00-0478	LF	3" x 2" x 5/16" Angle Iron	9.01	4.08
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*11.42*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
		For 304 Stainless Steel, Add	*10.17*	
		For High Strength Steel (HSS), Add	*1.80*	
05 12 23 00-0479	LF	3" x 2-1/2" x 5/16" Angle Iron	9.96	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.49*	
		For 316 Stainless Steel, Add	*12.80*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.48*	
		For 304 Stainless Steel, Add	*11.40*	
		For High Strength Steel (HSS), Add	*1.99*	
05 12 23 00-0480	LF	3" x 3" x 5/16" Angle Iron	10.82	4.85
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000, Deduct	*-1.62*	
		For 316 Stainless Steel, Add	*13.92*	
		For Aluminum, Add	*0.78*	
		For Galvanized Steel, Add	*2.70*	
		For 304 Stainless Steel, Add	*12.40*	
		For High Strength Steel (HSS), Add	*2.16*	
05 12 23 00-0481	LF	3-1/2" x 3" x 5/16" Angle Iron	11.51	5.10
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.71*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
		For 304 Stainless Steel, Add	*13.42*	
		For High Strength Steel (HSS), Add	*2.30*	
05 12 23 00-0482	LF	3-1/2" x 3-1/2" x 5/16" Angle Iron	12.26	5.36
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.81*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
		For 304 Stainless Steel, Add	*14.59*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0483	LF	4" x 3" x 5/16" Angle Iron	12.26	5.36
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.81*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
		For 304 Stainless Steel, Add	*14.59*	
		For High Strength Steel (HSS), Add	*2.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	4" x 3-1/2" x 5/16" Angle Iron	13.03	5.66
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.92*	
		For 316 Stainless Steel, Add	*17.54*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.40*	
		For 304 Stainless Steel, Add	*15.62*	
		For High Strength Steel (HSS), Add	*2.61*	
05 12 23 00-0485	LF	4" x 4" x 5/16" Angle Iron	13.73	5.91
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000, Deduct	*-2.01*	
		For 316 Stainless Steel, Add	*18.72*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*16.67*	
		For High Strength Steel (HSS), Add	*2.75*	
05 12 23 00-0486	LF	5" x 3" x 5/16" Angle Iron	13.73	5.91
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000, Deduct	*-2.01*	
		For 316 Stainless Steel, Add	*18.72*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*16.67*	
		For High Strength Steel (HSS), Add	*2.75*	
05 12 23 00-0487	LF	5" x 3-1/2" x 5/16" Angle Iron	14.40	6.16
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.11*	
		For 316 Stainless Steel, Add	*19.81*	
		For Aluminum, Add	*1.11*	
		For Galvanized Steel, Add	*3.84*	
		For 304 Stainless Steel, Add	*17.64*	
		For High Strength Steel (HSS), Add	*2.88*	
05 12 23 00-0488	LF	5" x 5" x 5/16" Angle Iron	15.91	6.42
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.26*	
		For 316 Stainless Steel, Add	*23.52*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.56*	
		For 304 Stainless Steel, Add	*20.95*	
		For High Strength Steel (HSS), Add	*3.18*	
05 12 23 00-0489	LF	6" x 3-1/2" x 5/16" Angle Iron	15.89	6.68
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.31*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
		For 304 Stainless Steel, Add	*19.86*	
		For High Strength Steel (HSS), Add	*3.18*	

05 12 23 00-0490 3/8" Thick *(05 12 23 00-0438)*

05 12 23 00-0491	LF	3" x 2" x 3/8" Angle Iron	9.89	4.26
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.45*	
		For 316 Stainless Steel, Add	*13.44*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.60*	
		For 304 Stainless Steel, Add	*11.97*	
		For High Strength Steel (HSS), Add	*1.98*	
05 12 23 00-0492	LF	3" x 2-1/2" x 3/8" Angle Iron	10.87	4.62
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.59*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
		For 304 Stainless Steel, Add	*13.42*	
		For High Strength Steel (HSS), Add	*2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	3" x 3" x 3/8" Angle Iron	11.75	4.97
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.71*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
		For 304 Stainless Steel, Add	*14.59*	
		For High Strength Steel (HSS), Add	*2.35*	
05 12 23 00-0494	LF	3-1/2" x 3" x 3/8" Angle Iron	12.45	5.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.79*	
		For 316 Stainless Steel, Add	*18.05*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.50*	
		For 304 Stainless Steel, Add	*16.07*	
		For High Strength Steel (HSS), Add	*2.49*	
05 12 23 00-0495	LF	3-1/2" x 3-1/2" x 3/8" Angle Iron	13.24	5.39
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*17.24*	
		For High Strength Steel (HSS), Add	*2.65*	
05 12 23 00-0496	LF	4" x 3" x 3/8" Angle Iron	13.24	5.39
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.89*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*17.24*	
		For High Strength Steel (HSS), Add	*2.65*	
05 12 23 00-0497	LF	4" x 3-1/2" x 3/8" Angle Iron	14.31	5.87
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*20.74*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.02*	
		For 304 Stainless Steel, Add	*18.47*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0498	LF	4" x 4" x 3/8" Angle Iron	15.03	6.04
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.13*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
		For 304 Stainless Steel, Add	*19.86*	
		For High Strength Steel (HSS), Add	*3.01*	
05 12 23 00-0499	LF	5" x 3" x 3/8" Angle Iron	15.35	6.28
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000, Deduct	*-2.20*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
		For 304 Stainless Steel, Add	*19.86*	
		For High Strength Steel (HSS), Add	*3.07*	
05 12 23 00-0500	LF	5" x 3-1/2" x 3/8" Angle Iron	16.43	6.77
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.36*	
		For 316 Stainless Steel, Add	*23.68*	
		For Aluminum, Add	*1.33*	
		For Galvanized Steel, Add	*4.59*	
		For 304 Stainless Steel, Add	*21.09*	
		For High Strength Steel (HSS), Add	*3.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0501	LF	5" x 5" x 3/8" Angle Iron	19.30	7.89
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.76*	
		For 316 Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.44*	
		For 304 Stainless Steel, Add	*25.02*	
		For High Strength Steel (HSS), Add	*3.86*	
05 12 23 00-0502	LF	6" x 3-1/2" x 3/8" Angle Iron	18.11	7.34
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.58*	
		For 316 Stainless Steel, Add	*26.66*	
		For Aluminum, Add	*1.50*	
		For Galvanized Steel, Add	*5.16*	
		For 304 Stainless Steel, Add	*23.74*	
		For High Strength Steel (HSS), Add	*3.62*	
05 12 23 00-0503	LF	6" x 4" x 3/8" Angle Iron	19.30	7.89
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.76*	
		For 316 Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.44*	
		For 304 Stainless Steel, Add	*25.02*	
		For High Strength Steel (HSS), Add	*3.86*	
05 12 23 00-0504	LF	6" x 6" x 3/8" Angle Iron	23.25	9.47
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.32*	
		For 316 Stainless Steel, Add	*34.02*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.59*	
		For 304 Stainless Steel, Add	*30.30*	
		For High Strength Steel (HSS), Add	*4.65*	
05 12 23 00-0505	LF	7" x 4" x 3/8" Angle Iron	21.28	8.68
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-3.04*	
		For 316 Stainless Steel, Add	*31.04*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.01*	
		For 304 Stainless Steel, Add	*27.65*	
		For High Strength Steel (HSS), Add	*4.26*	

05 12 23 00-0506 1/2" Thick *(05 12 23 00-0438)*

05 12 23 00-0507	LF	3" x 3" x 1/2" Angle Iron	13.48	5.08
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000, Deduct	*-1.86*	
		For 316 Stainless Steel, Add	*21.47*	
		For Aluminum, Add	*1.21*	
		For Galvanized Steel, Add	*4.16*	
		For 304 Stainless Steel, Add	*19.12*	
		For High Strength Steel (HSS), Add	*2.70*	
05 12 23 00-0508	LF	4" x 3" x 1/2" Angle Iron	15.92	6.00
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.19*	
		For 316 Stainless Steel, Add	*25.34*	
		For Aluminum, Add	*1.43*	
		For Galvanized Steel, Add	*4.91*	
		For 304 Stainless Steel, Add	*22.57*	
		For High Strength Steel (HSS), Add	*3.18*	
05 12 23 00-0509	LF	4" x 3-1/2" x 1/2" Angle Iron	17.07	6.43
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.35*	
		For 316 Stainless Steel, Add	*27.17*	
		For Aluminum, Add	*1.53*	
		For Galvanized Steel, Add	*5.26*	
		For 304 Stainless Steel, Add	*24.20*	
		For High Strength Steel (HSS), Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	4" x 4" x 1/2" Angle Iron	18.36	6.92
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.53*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For 304 Stainless Steel, Add	*26.02*	
		For High Strength Steel (HSS), Add	*3.67*	
05 12 23 00-0511	LF	5" x 3" x 1/2" Angle Iron	18.36	6.92
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.53*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For 304 Stainless Steel, Add	*26.02*	
		For High Strength Steel (HSS), Add	*3.67*	
05 12 23 00-0512	LF	5" x 3-1/2" x 1/2" Angle Iron	19.50	7.35
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.69*	
		For 316 Stainless Steel, Add	*31.04*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.01*	
		For 304 Stainless Steel, Add	*27.65*	
		For High Strength Steel (HSS), Add	*3.90*	
05 12 23 00-0513	LF	5" x 5" x 1/2" Angle Iron	23.24	8.76
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*36.99*	
		For Aluminum, Add	*2.08*	
		For Galvanized Steel, Add	*7.17*	
		For 304 Stainless Steel, Add	*32.95*	
		For High Strength Steel (HSS), Add	*4.65*	
05 12 23 00-0514	LF	6" x 4" x 1/2" Angle Iron	23.24	8.76
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*36.99*	
		For Aluminum, Add	*2.08*	
		For Galvanized Steel, Add	*7.17*	
		For 304 Stainless Steel, Add	*32.95*	
		For High Strength Steel (HSS), Add	*4.65*	
05 12 23 00-0515	LF	6" x 6" x 1/2" Angle Iron	28.11	10.59
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-3.87*	
		For 316 Stainless Steel, Add	*44.74*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.67*	
		For 304 Stainless Steel, Add	*39.84*	
		For High Strength Steel (HSS), Add	*5.62*	
05 12 23 00-0516	LF	7" x 4" x 1/2" Angle Iron	25.67	9.67
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.57*	
		For >1,000, Deduct	*-3.54*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
		For 304 Stainless Steel, Add	*36.39*	
		For High Strength Steel (HSS), Add	*5.13*	
05 12 23 00-0517	LF	8" x 4" x 1/2" Angle Iron	28.11	10.59
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-3.87*	
		For 316 Stainless Steel, Add	*44.74*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.67*	
		For 304 Stainless Steel, Add	*39.84*	
		For High Strength Steel (HSS), Add	*5.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0518	LF	8" x 6" x 1/2" Angle Iron	32.99	12.43
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.55*	
		For 316 Stainless Steel, Add	*52.51*	
		For Aluminum, Add	*2.95*	
		For Galvanized Steel, Add	*10.17*	
		For 304 Stainless Steel, Add	*46.77*	
		For High Strength Steel (HSS), Add	*6.60*	
05 12 23 00-0519	LF	8" x 8" x 1/2" Angle Iron	37.86	14.27
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.37*	
		For >500 To 1,000, Deduct	*-3.80*	
		For >1,000, Deduct	*-5.22*	
		For 316 Stainless Steel, Add	*60.26*	
		For Aluminum, Add	*3.39*	
		For Galvanized Steel, Add	*11.67*	
		For 304 Stainless Steel, Add	*53.67*	
		For High Strength Steel (HSS), Add	*7.57*	
05 12 23 00-0520		5/8" Thick *(05 12 23 00-0438)*		
05 12 23 00-0521	LF	4" x 4" x 5/8" Angle Iron	21.78	7.93
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.96*	
		For 316 Stainless Steel, Add	*35.84*	
		For Aluminum, Add	*2.02*	
		For Galvanized Steel, Add	*6.94*	
		For High Strength Steel (HSS), Add	*4.36*	
05 12 23 00-0522	LF	5" x 3-1/2" x 5/8" Angle Iron	23.30	8.49
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.16*	
		For 316 Stainless Steel, Add	*38.37*	
		For Aluminum, Add	*2.16*	
		For Galvanized Steel, Add	*7.43*	
		For High Strength Steel (HSS), Add	*4.66*	
05 12 23 00-0523	LF	5" x 5" x 5/8" Angle Iron	27.74	10.11
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.76*	
		For 316 Stainless Steel, Add	*45.66*	
		For Aluminum, Add	*2.57*	
		For Galvanized Steel, Add	*8.85*	
		For High Strength Steel (HSS), Add	*5.55*	
05 12 23 00-0524	LF	6" x 4" x 5/8" Angle Iron	27.74	10.11
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.76*	
		For 316 Stainless Steel, Add	*45.66*	
		For Aluminum, Add	*2.57*	
		For Galvanized Steel, Add	*8.85*	
		For High Strength Steel (HSS), Add	*5.55*	
05 12 23 00-0525	LF	6" x 6" x 5/8" Angle Iron	33.57	12.23
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.06*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.56*	
		For 316 Stainless Steel, Add	*55.26*	
		For Aluminum, Add	*3.11*	
		For Galvanized Steel, Add	*10.71*	
		For High Strength Steel (HSS), Add	*6.71*	
05 12 23 00-0526	LF	7" x 4" x 5/8" Angle Iron	30.66	11.16
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.16*	
		For 316 Stainless Steel, Add	*50.46*	
		For Aluminum, Add	*2.84*	
		For Galvanized Steel, Add	*9.78*	
		For High Strength Steel (HSS), Add	*6.13*	
05 12 23 00-0527	LF	8" x 6" x 5/8" Angle Iron	39.53	14.40
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.43*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-5.36*	
		For 316 Stainless Steel, Add	*65.06*	
		For Aluminum, Add	*3.66*	
		For Galvanized Steel, Add	*12.60*	
		For High Strength Steel (HSS), Add	*7.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0528	LF	8" x 8" x 5/8" Angle Iron	45.36	16.52
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.79*	
		For >500 To 1,000, Deduct	*-4.47*	
		For >1,000, Deduct	*-6.16*	
		For 316 Stainless Steel, Add	*74.66*	
		For Aluminum, Add	*4.20*	
		For Galvanized Steel, Add	*14.46*	
		For High Strength Steel (HSS), Add	*9.07*	
05 12 23 00-0529		3/4" Thick *(05 12 23 00-0438)*		
05 12 23 00-0530	LF	4" x 4" x 3/4" Angle Iron	24.89	8.77
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.50*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.33*	
		For 316 Stainless Steel, Add	*42.24*	
		For Aluminum, Add	*2.38*	
		For Galvanized Steel, Add	*8.18*	
		For High Strength Steel (HSS), Add	*4.98*	
05 12 23 00-0531	LF	5" x 3-1/2" x 3/4" Angle Iron	26.62	9.38
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.56*	
		For 316 Stainless Steel, Add	*45.18*	
		For Aluminum, Add	*2.54*	
		For Galvanized Steel, Add	*8.75*	
		For High Strength Steel (HSS), Add	*5.32*	
05 12 23 00-0532	LF	5" x 5" x 3/4" Angle Iron	31.75	11.18
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-4.25*	
		For 316 Stainless Steel, Add	*53.89*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.44*	
		For High Strength Steel (HSS), Add	*6.35*	
05 12 23 00-0533	LF	6" x 4" x 3/4" Angle Iron	31.75	11.18
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-4.25*	
		For 316 Stainless Steel, Add	*53.89*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.44*	
		For High Strength Steel (HSS), Add	*6.35*	
05 12 23 00-0534	LF	6" x 6" x 3/4" Angle Iron	38.60	13.59
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-5.16*	
		For 316 Stainless Steel, Add	*65.50*	
		For Aluminum, Add	*3.68*	
		For Galvanized Steel, Add	*12.69*	
		For High Strength Steel (HSS), Add	*7.72*	
05 12 23 00-0535	LF	7" x 4" x 3/4" Angle Iron	35.24	12.41
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.12*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.71*	
		For 316 Stainless Steel, Add	*59.81*	
		For Aluminum, Add	*3.36*	
		For Galvanized Steel, Add	*11.59*	
		For High Strength Steel (HSS), Add	*7.05*	
05 12 23 00-0536	LF	8" x 4" x 3/4" Angle Iron	38.60	13.59
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-5.16*	
		For 316 Stainless Steel, Add	*65.50*	
		For Aluminum, Add	*3.68*	
		For Galvanized Steel, Add	*12.69*	
		For High Strength Steel (HSS), Add	*7.72*	
05 12 23 00-0537	LF	8" x 6" x 3/4" Angle Iron	45.46	16.01
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.74*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-6.08*	
		For 316 Stainless Steel, Add	*77.18*	
		For Aluminum, Add	*4.34*	
		For Galvanized Steel, Add	*14.95*	
		For High Strength Steel (HSS), Add	*9.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538	LF	8" x 8" x 3/4" Angle Iron	52.33	18.42
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.07*	
		For >1,000, Deduct	*-7.00*	
		For 316 Stainless Steel, Add	*88.83*	
		For Aluminum, Add	*5.00*	
		For Galvanized Steel, Add	*17.21*	
		For High Strength Steel (HSS), Add	*10.47*	

05 12 23 00-0539 7/8" Thick *(05 12 23 00-0438)*

05 12 23 00-0540	LF	5" x 5" x 7/8" Angle Iron	35.44	12.02
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-4.66*	
		For 316 Stainless Steel, Add	*62.08*	
		For Aluminum, Add	*3.49*	
		For Galvanized Steel, Add	*12.03*	
		For High Strength Steel (HSS), Add	*7.09*	
05 12 23 00-0541	LF	6" x 4" x 7/8" Angle Iron	35.44	12.02
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-4.66*	
		For 316 Stainless Steel, Add	*62.08*	
		For Aluminum, Add	*3.49*	
		For Galvanized Steel, Add	*12.03*	
		For High Strength Steel (HSS), Add	*7.09*	
05 12 23 00-0542	LF	6" x 6" x 7/8" Angle Iron	43.13	14.64
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.54*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000, Deduct	*-5.67*	
		For 316 Stainless Steel, Add	*75.58*	
		For Aluminum, Add	*4.25*	
		For Galvanized Steel, Add	*14.64*	
		For High Strength Steel (HSS), Add	*8.63*	
05 12 23 00-0543	LF	8" x 6" x 7/8" Angle Iron	50.94	17.28
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.85*	
		For >1,000, Deduct	*-6.70*	
		For 316 Stainless Steel, Add	*89.28*	
		For Aluminum, Add	*5.02*	
		For Galvanized Steel, Add	*17.30*	
		For High Strength Steel (HSS), Add	*10.19*	
05 12 23 00-0544	LF	8" x 8" x 7/8" Angle Iron	58.63	19.90
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.46*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000, Deduct	*-7.71*	
		For 316 Stainless Steel, Add	*102.72*	
		For Aluminum, Add	*5.78*	
		For Galvanized Steel, Add	*19.90*	
		For High Strength Steel (HSS), Add	*11.73*	

05 12 23 00-0545 Bar Channel *(05 12 23 00-0437)*

05 12 23 00-0546	LF	1" x 1/2" x 1/8" Thick Bar Channel	3.43	
		For 316 Stainless Steel, Add	*2.50*	
		For Aluminum, Add	*0.14*	
		For Galvanized Steel, Add	*0.48*	
		For 304 Stainless Steel, Add	*2.22*	
		For High Strength Steel (HSS), Add	*0.69*	
05 12 23 00-0547	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.82	
		For 316 Stainless Steel, Add	*2.98*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For 304 Stainless Steel, Add	*2.65*	
		For High Strength Steel (HSS), Add	*0.76*	
05 12 23 00-0548	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.15	
		For 316 Stainless Steel, Add	*3.30*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.94*	
		For High Strength Steel (HSS), Add	*0.83*	
05 12 23 00-0549	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.80	
		For 316 Stainless Steel, Add	*3.42*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.66*	
		For 304 Stainless Steel, Add	*3.05*	
		For High Strength Steel (HSS), Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0550	LF	2" x 1/2" x 1/8" Thick Bar Channel	5.04	
		For 316 Stainless Steel, Add	*4.19*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.81*	
		For 304 Stainless Steel, Add	*3.73*	
05 12 23 00-0551	LF	2" x 1" x 1/8" Thick Bar Channel	6.81	
		For 316 Stainless Steel, Add	*4.70*	
		For Aluminum, Add	*0.26*	
		For Galvanized Steel, Add	*0.91*	
		For 304 Stainless Steel, Add	*4.19*	

05 12 23 00-0552 Channels - C *(05 12 23 00-0437)*

05 12 23 00-0553	LF	C2 x 1.78 - 2" Wide Channel	5.64	3.29
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
		For 304 Stainless Steel, Add	*3.56*	
05 12 23 00-0554	LF	C3 x 4.1 - 3" Wide Channel	9.23	4.73
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.48*	
		For 316 Stainless Steel, Add	*9.34*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.81*	
		For 304 Stainless Steel, Add	*8.32*	
05 12 23 00-0555	LF	C3 x 5 - 3" Wide Channel	11.27	5.78
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.81*	
		For 316 Stainless Steel, Add	*11.42*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
		For 304 Stainless Steel, Add	*10.17*	
05 12 23 00-0556	LF	C3 x 6 - 3" Wide Channel	13.52	6.93
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*13.70*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.65*	
		For 304 Stainless Steel, Add	*12.20*	
05 12 23 00-0557	LF	C4 x 5.4 - 4" Wide Channel	11.43	5.69
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.80*	
		For 316 Stainless Steel, Add	*12.32*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.39*	
		For 304 Stainless Steel, Add	*10.97*	
05 12 23 00-0558	LF	C4 x 7.25 - 4" Wide Channel	15.34	7.63
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000, Deduct	*-2.42*	
		For 316 Stainless Steel, Add	*16.54*	
		For Aluminum, Add	*0.93*	
		For Galvanized Steel, Add	*3.21*	
		For 304 Stainless Steel, Add	*14.73*	
05 12 23 00-0559	LF	C5 x 6.7 - 5" Wide Channel	13.62	6.62
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.13*	
		For 316 Stainless Steel, Add	*15.30*	
		For Aluminum, Add	*0.86*	
		For Galvanized Steel, Add	*2.96*	
		For 304 Stainless Steel, Add	*13.62*	
05 12 23 00-0560	LF	C5 x 9 - 5" Wide Channel	18.29	8.91
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-2.86*	
		For 316 Stainless Steel, Add	*20.54*	
		For Aluminum, Add	*1.16*	
		For Galvanized Steel, Add	*3.98*	
		For 304 Stainless Steel, Add	*18.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF	C6 x 8.2 - 6" Wide Channel	16.46	7.95
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.56*	
		For 316 Stainless Steel, Add	*18.72*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*16.67*	
05 12 23 00-0562	LF	C6 x 10.5 - 6" Wide Channel	21.07	10.19
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.28*	
		For 316 Stainless Steel, Add	*23.97*	
		For Aluminum, Add	*1.35*	
		For Galvanized Steel, Add	*4.64*	
		For 304 Stainless Steel, Add	*21.35*	
05 12 23 00-0563	LF	C6 x 13 - 6" Wide Channel	26.09	12.61
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.06*	
		For 316 Stainless Steel, Add	*29.66*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.75*	
		For 304 Stainless Steel, Add	*26.42*	
05 12 23 00-0564	LF	C7 x 9.8 - 7" Wide Channel	19.62	9.47
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-3.05*	
		For 316 Stainless Steel, Add	*22.37*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.33*	
		For 304 Stainless Steel, Add	*19.92*	
05 12 23 00-0565	LF	C7 x 12.25 - 7" Wide Channel	24.52	11.84
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.81*	
		For 316 Stainless Steel, Add	*27.97*	
		For Aluminum, Add	*1.57*	
		For Galvanized Steel, Add	*5.42*	
		For 304 Stainless Steel, Add	*24.91*	
05 12 23 00-0566	LF	C7 x 14.75 - 7" Wide Channel	29.54	14.25
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.17*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-4.59*	
		For 316 Stainless Steel, Add	*33.66*	
		For Aluminum, Add	*1.89*	
		For Galvanized Steel, Add	*6.52*	
		For 304 Stainless Steel, Add	*29.98*	
05 12 23 00-0567	LF	C8 x 11.5 - 8" Wide Channel	22.09	10.42
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.39*	
		For 316 Stainless Steel, Add	*26.24*	
		For Aluminum, Add	*1.48*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*23.37*	
05 12 23 00-0568	LF	C8 x 13.75 - 8" Wide Channel	26.42	12.46
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-4.06*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For 304 Stainless Steel, Add	*27.96*	
05 12 23 00-0569	LF	C8 x 18.75 - 8" Wide Channel	36.03	16.99
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.60*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-5.53*	
		For 316 Stainless Steel, Add	*42.82*	
		For Aluminum, Add	*2.41*	
		For Galvanized Steel, Add	*8.30*	
		For 304 Stainless Steel, Add	*38.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF	C9 x 13.4 - 9" Wide Channel	25.76	12.14
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-3.96*	
		For 316 Stainless Steel, Add	*30.59*	
		For Aluminum, Add	*1.72*	
		For Galvanized Steel, Add	*5.93*	
		For 304 Stainless Steel, Add	*27.25*	
05 12 23 00-0571	LF	C9 x 15 - 9" Wide Channel	28.82	13.59
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-4.43*	
		For 316 Stainless Steel, Add	*34.24*	
		For Aluminum, Add	*1.93*	
		For Galvanized Steel, Add	*6.63*	
		For 304 Stainless Steel, Add	*30.50*	
05 12 23 00-0572	LF	C9 x 20 - 9" Wide Channel	38.44	18.12
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.77*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000, Deduct	*-5.90*	
		For 316 Stainless Steel, Add	*45.66*	
		For Aluminum, Add	*2.57*	
		For Galvanized Steel, Add	*8.85*	
		For 304 Stainless Steel, Add	*40.67*	
05 12 23 00-0573	LF	C10 x 15.3 - 10" Wide Channel	29.39	13.86
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.12*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.51*	
		For 316 Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
		For 304 Stainless Steel, Add	*31.09*	
05 12 23 00-0574	LF	C10 x 20 - 10" Wide Channel	38.44	18.12
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.77*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000, Deduct	*-5.90*	
		For 316 Stainless Steel, Add	*45.66*	
		For Aluminum, Add	*2.57*	
		For Galvanized Steel, Add	*8.85*	
		For 304 Stainless Steel, Add	*40.67*	
05 12 23 00-0575	LF	C10 x 25 - 10" Wide Channel	48.03	22.65
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-7.38*	
		For 316 Stainless Steel, Add	*57.06*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.05*	
		For 304 Stainless Steel, Add	*50.82*	
05 12 23 00-0576	LF	C10 x 30 - 10" Wide Channel	57.64	27.18
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.16*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000, Deduct	*-8.85*	
		For 316 Stainless Steel, Add	*68.48*	
		For Aluminum, Add	*3.85*	
		For Galvanized Steel, Add	*13.27*	
		For 304 Stainless Steel, Add	*60.99*	
05 12 23 00-0577	LF	C12 x 20.7 - 12" Wide Channel	39.78	18.76
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.11*	
		For 316 Stainless Steel, Add	*47.26*	
		For Aluminum, Add	*2.66*	
		For Galvanized Steel, Add	*9.16*	
		For 304 Stainless Steel, Add	*42.09*	
05 12 23 00-0578	LF	C12 x 25 - 12" Wide Channel	48.03	22.65
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-7.38*	
		For 316 Stainless Steel, Add	*57.06*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.05*	
		For 304 Stainless Steel, Add	*50.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579	LF	C12 x 30 - 12" Wide Channel	57.64	27.18
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.16*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000, Deduct	*-8.85*	
		For 316 Stainless Steel, Add	*68.48*	
		For Aluminum, Add	*3.85*	
		For Galvanized Steel, Add	*13.27*	
		For 304 Stainless Steel, Add	*60.99*	
05 12 23 00-0580	LF	C15 x 33.9 - 15" Wide Channel	65.14	30.71
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-7.35*	
		For >1,000, Deduct	*-10.01*	
		For 316 Stainless Steel, Add	*77.38*	
		For Aluminum, Add	*4.35*	
		For Galvanized Steel, Add	*14.99*	
		For 304 Stainless Steel, Add	*68.91*	
05 12 23 00-0581	LF	C15 x 40 - 15" Wide Channel	76.86	36.24
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.68*	
		For >1,000, Deduct	*-11.81*	
		For 316 Stainless Steel, Add	*91.30*	
		For Aluminum, Add	*5.14*	
		For Galvanized Steel, Add	*17.69*	
		For 304 Stainless Steel, Add	*81.31*	
05 12 23 00-0582	LF	C15 x 50 - 15" Wide Channel	96.08	45.30
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-10.85*	
		For >1,000, Deduct	*-14.76*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
		For Galvanized Steel, Add	*22.12*	
		For 304 Stainless Steel, Add	*101.66*	

05 12 23 00-0583 Miscellaneous Channels - MC *(05 12 23 00-0437)*

05 12 23 00-0584	LF	MC6 x 12 - 6" Wide Channel	24.08	11.65
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.75*	
		For 316 Stainless Steel, Add	*27.39*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.31*	
		For 304 Stainless Steel, Add	*24.40*	
05 12 23 00-0585	LF	MC6 x 15.1 - 6" Wide Channel	30.31	14.65
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.47*	
		For >1,000, Deduct	*-4.72*	
		For 316 Stainless Steel, Add	*34.46*	
		For Aluminum, Add	*1.94*	
		For Galvanized Steel, Add	*6.68*	
		For 304 Stainless Steel, Add	*30.69*	
05 12 23 00-0586	LF	MC6 x 15.3 - 6" Wide Channel	30.71	14.85
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.78*	
		For 316 Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
		For 304 Stainless Steel, Add	*31.09*	
05 12 23 00-0587	LF	MC6 x 16.3 - 6" Wide Channel	32.72	15.81
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-5.09*	
		For 316 Stainless Steel, Add	*37.22*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.21*	
		For 304 Stainless Steel, Add	*33.15*	
05 12 23 00-0588	LF	MC6 x 18 - 6" Wide Channel	36.13	17.47
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.65*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-5.62*	
		For 316 Stainless Steel, Add	*41.09*	
		For Aluminum, Add	*2.31*	
		For Galvanized Steel, Add	*7.96*	
		For 304 Stainless Steel, Add	*36.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC7 x 17.6 - 7" Wide Channel	35.23	17.02
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.58*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.48*	
		For 316 Stainless Steel, Add	*40.16*	
		For Aluminum, Add	*2.26*	
		For Galvanized Steel, Add	*7.78*	
		For 304 Stainless Steel, Add	*35.77*	
05 12 23 00-0590	LF	MC7 x 19.1 - 7" Wide Channel	38.24	18.46
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000, Deduct	*-5.95*	
		For 316 Stainless Steel, Add	*43.58*	
		For Aluminum, Add	*2.45*	
		For Galvanized Steel, Add	*8.44*	
		For 304 Stainless Steel, Add	*38.82*	
05 12 23 00-0591	LF	MC7 x 22.7 - 7" Wide Channel	45.45	21.94
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.33*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000, Deduct	*-7.07*	
		For 316 Stainless Steel, Add	*51.81*	
		For Aluminum, Add	*2.91*	
		For Galvanized Steel, Add	*10.04*	
		For 304 Stainless Steel, Add	*46.14*	
05 12 23 00-0592	LF	MC8 x 8.5 - 8" Wide Channel	16.33	7.70
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.51*	
		For 316 Stainless Steel, Add	*19.39*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.76*	
		For 304 Stainless Steel, Add	*17.27*	
05 12 23 00-0593	LF	MC8 x 18.7 - 8" Wide Channel	35.93	16.94
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.52*	
		For 316 Stainless Steel, Add	*42.69*	
		For Aluminum, Add	*2.40*	
		For Galvanized Steel, Add	*8.27*	
		For 304 Stainless Steel, Add	*38.02*	
05 12 23 00-0594	LF	MC8 x 20 - 8" Wide Channel	38.44	18.12
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.77*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000, Deduct	*-5.90*	
		For 316 Stainless Steel, Add	*45.66*	
		For Aluminum, Add	*2.57*	
		For Galvanized Steel, Add	*8.85*	
		For 304 Stainless Steel, Add	*40.67*	
05 12 23 00-0595	LF	MC8 x 21.4 - 8" Wide Channel	41.13	19.39
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.64*	
		For >1,000, Deduct	*-6.32*	
		For 316 Stainless Steel, Add	*48.86*	
		For Aluminum, Add	*2.75*	
		For Galvanized Steel, Add	*9.47*	
		For 304 Stainless Steel, Add	*43.52*	
05 12 23 00-0596	LF	MC8 x 22.8 - 8" Wide Channel	43.80	20.67
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.16*	
		For >500 To 1,000, Deduct	*-4.94*	
		For >1,000, Deduct	*-6.73*	
		For 316 Stainless Steel, Add	*52.03*	
		For Aluminum, Add	*2.93*	
		For Galvanized Steel, Add	*10.08*	
		For 304 Stainless Steel, Add	*46.34*	
05 12 23 00-0597	LF	MC9 x 23.9 - 9" Wide Channel	45.92	21.65
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.31*	
		For >500 To 1,000, Deduct	*-5.18*	
		For >1,000, Deduct	*-7.05*	
		For 316 Stainless Steel, Add	*54.56*	
		For Aluminum, Add	*3.07*	
		For Galvanized Steel, Add	*10.57*	
		For 304 Stainless Steel, Add	*48.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	MC9 x 25.4 - 9" Wide Channel	48.80	23.01
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-3.52*	
		For >500 To 1,000, Deduct	*-5.51*	
		For >1,000, Deduct	*-7.50*	
		For 316 Stainless Steel, Add	*57.98*	
		For Aluminum, Add	*3.26*	
		For Galvanized Steel, Add	*11.23*	
		For 304 Stainless Steel, Add	*51.64*	
05 12 23 00-0599	LF	MC10 x 6.5 - 10" Wide Channel	12.49	5.89
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.92*	
		For 316 Stainless Steel, Add	*14.85*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.88*	
		For 304 Stainless Steel, Add	*13.22*	
05 12 23 00-0600	LF	MC10 x 8.4 - 10" Wide Channel	16.14	7.61
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.48*	
		For 316 Stainless Steel, Add	*19.17*	
		For Aluminum, Add	*1.08*	
		For Galvanized Steel, Add	*3.71*	
		For 304 Stainless Steel, Add	*17.07*	
05 12 23 00-0601	LF	MC10 x 21.9 - 10" Wide Channel	42.07	19.85
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.04*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-6.46*	
		For 316 Stainless Steel, Add	*49.98*	
		For Aluminum, Add	*2.81*	
		For Galvanized Steel, Add	*9.68*	
		For 304 Stainless Steel, Add	*44.52*	
05 12 23 00-0602	LF	MC10 x 24.9 - 10" Wide Channel	47.85	22.57
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-3.45*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000, Deduct	*-7.35*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
		For 304 Stainless Steel, Add	*50.62*	
05 12 23 00-0603	LF	MC10 x 25.3 - 10" Wide Channel	48.61	22.93
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.51*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.47*	
		For 316 Stainless Steel, Add	*57.76*	
		For Aluminum, Add	*3.25*	
		For Galvanized Steel, Add	*11.19*	
		For 304 Stainless Steel, Add	*51.44*	
05 12 23 00-0604	LF	MC10 x 28.3 - 10" Wide Channel	54.39	25.64
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.92*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000, Deduct	*-8.35*	
		For 316 Stainless Steel, Add	*64.61*	
		For Aluminum, Add	*3.63*	
		For Galvanized Steel, Add	*12.52*	
		For 304 Stainless Steel, Add	*57.54*	
05 12 23 00-0605	LF	MC10 x 28.5 - 10" Wide Channel	54.76	25.82
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.95*	
		For >500 To 1,000, Deduct	*-6.18*	
		For >1,000, Deduct	*-8.41*	
		For 316 Stainless Steel, Add	*65.06*	
		For Aluminum, Add	*3.66*	
		For Galvanized Steel, Add	*12.60*	
		For 304 Stainless Steel, Add	*57.94*	
05 12 23 00-0606	LF	MC10 x 33.6 - 10" Wide Channel	64.57	30.45
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-4.66*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000, Deduct	*-9.92*	
		For 316 Stainless Steel, Add	*76.70*	
		For Aluminum, Add	*4.31*	
		For Galvanized Steel, Add	*14.86*	
		For 304 Stainless Steel, Add	*68.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF	MC10 x 41.1 - 10" Wide Channel	78.98	37.25
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-5.70*	
		For >500 To 1,000, Deduct	*-8.92*	
		For >1,000, Deduct	*-12.13*	
		For 316 Stainless Steel, Add	*93.82*	
		For Aluminum, Add	*5.28*	
		For Galvanized Steel, Add	*18.18*	
		For 304 Stainless Steel, Add	*83.56*	
05 12 23 00-0608	LF	MC12 x 30.9 - 12" Wide Channel	59.38	27.99
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-6.70*	
		For >1,000, Deduct	*-9.12*	
		For 316 Stainless Steel, Add	*70.53*	
		For Aluminum, Add	*3.97*	
		For Galvanized Steel, Add	*13.66*	
		For 304 Stainless Steel, Add	*62.81*	
05 12 23 00-0609	LF	MC12 x 32.9 - 12" Wide Channel	63.22	29.81
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-4.56*	
		For >500 To 1,000, Deduct	*-7.14*	
		For >1,000, Deduct	*-9.71*	
		For 316 Stainless Steel, Add	*75.10*	
		For Aluminum, Add	*4.22*	
		For Galvanized Steel, Add	*14.55*	
		For 304 Stainless Steel, Add	*66.89*	
05 12 23 00-0610	LF	MC12 x 35 - 12" Wide Channel	67.26	31.71
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.59*	
		For >1,000, Deduct	*-10.33*	
		For 316 Stainless Steel, Add	*79.90*	
		For Aluminum, Add	*4.49*	
		For Galvanized Steel, Add	*15.48*	
		For 304 Stainless Steel, Add	*71.16*	
05 12 23 00-0611	LF	MC12 x 37 - 12" Wide Channel	71.10	33.53
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.13*	
		For >500 To 1,000, Deduct	*-8.03*	
		For >1,000, Deduct	*-10.92*	
		For 316 Stainless Steel, Add	*84.45*	
		For Aluminum, Add	*4.75*	
		For Galvanized Steel, Add	*16.36*	
		For 304 Stainless Steel, Add	*75.21*	
05 12 23 00-0612	LF	MC12 x 40 - 12" Wide Channel	76.86	36.24
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.68*	
		For >1,000, Deduct	*-11.81*	
		For 316 Stainless Steel, Add	*91.30*	
		For Aluminum, Add	*5.14*	
		For Galvanized Steel, Add	*17.69*	
		For 304 Stainless Steel, Add	*81.31*	
05 12 23 00-0613	LF	MC12 x 45 - 12" Wide Channel	86.47	40.78
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-6.24*	
		For >500 To 1,000, Deduct	*-9.76*	
		For >1,000, Deduct	*-13.28*	
		For 316 Stainless Steel, Add	*102.72*	
		For Aluminum, Add	*5.78*	
		For Galvanized Steel, Add	*19.90*	
		For 304 Stainless Steel, Add	*91.49*	
05 12 23 00-0614	LF	MC12 x 50 - 12" Wide Channel	96.08	45.31
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-10.85*	
		For >1,000, Deduct	*-14.76*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
		For Galvanized Steel, Add	*22.12*	
		For 304 Stainless Steel, Add	*101.66*	
05 12 23 00-0615	LF	MC13 x 31.8 - 13" Wide Channel	61.10	28.81
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000, Deduct	*-9.39*	
		For 316 Stainless Steel, Add	*72.58*	
		For Aluminum, Add	*4.08*	
		For Galvanized Steel, Add	*14.06*	
		For 304 Stainless Steel, Add	*64.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616	LF	MC13 x 35 - 13" Wide Channel	67.26	31.71
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.59*	
		For >1,000, Deduct	*-10.33*	
		For 316 Stainless Steel, Add	*79.90*	
		For Aluminum, Add	*4.49*	
		For Galvanized Steel, Add	*15.48*	
		For 304 Stainless Steel, Add	*71.16*	
05 12 23 00-0617	LF	MC13 x 40 - 13" Wide Channel	76.86	36.24
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.68*	
		For >1,000, Deduct	*-11.81*	
		For 316 Stainless Steel, Add	*91.30*	
		For Aluminum, Add	*5.14*	
		For Galvanized Steel, Add	*17.69*	
		For 304 Stainless Steel, Add	*81.31*	
05 12 23 00-0618	LF	MC13 x 50 - 13" Wide Channel	96.08	45.31
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-6.93*	
		For >500 To 1,000, Deduct	*-10.85*	
		For >1,000, Deduct	*-14.76*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
		For Galvanized Steel, Add	*22.12*	
		For 304 Stainless Steel, Add	*101.66*	
05 12 23 00-0619	LF	MC18 x 42.7 - 18" Wide Channel	82.05	38.70
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-5.92*	
		For >500 To 1,000, Deduct	*-9.26*	
		For >1,000, Deduct	*-12.60*	
		For 316 Stainless Steel, Add	*97.47*	
		For Aluminum, Add	*5.48*	
		For Galvanized Steel, Add	*18.89*	
		For 304 Stainless Steel, Add	*86.81*	
05 12 23 00-0620	LF	MC18 x 45.8 - 18" Wide Channel	88.00	41.50
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-6.35*	
		For >500 To 1,000, Deduct	*-9.93*	
		For >1,000, Deduct	*-13.52*	
		For 316 Stainless Steel, Add	*104.54*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.26*	
		For 304 Stainless Steel, Add	*93.11*	
05 12 23 00-0621	LF	MC18 x 51.9 - 18" Wide Channel	99.72	47.03
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-7.20*	
		For >500 To 1,000, Deduct	*-11.26*	
		For >1,000, Deduct	*-15.32*	
		For 316 Stainless Steel, Add	*118.46*	
		For Aluminum, Add	*6.66*	
		For Galvanized Steel, Add	*22.95*	
		For 304 Stainless Steel, Add	*105.51*	
05 12 23 00-0622	LF	MC18 x 58 - 18" Wide Channel	111.44	52.55
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-8.04*	
		For >500 To 1,000, Deduct	*-12.58*	
		For >1,000, Deduct	*-17.12*	
		For 316 Stainless Steel, Add	*132.38*	
		For Aluminum, Add	*7.45*	
		For Galvanized Steel, Add	*25.65*	
		For 304 Stainless Steel, Add	*117.90*	

05 12 23 00-0623 Structural Bar Tees *(05 12 23 00-0437)*

05 12 23 00-0624	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	3.79	2.41
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.69*	
		For 316 Stainless Steel, Add	*1.86*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.36*	
		For 304 Stainless Steel, Add	*1.65*	
05 12 23 00-0625	LF	1" x 1" x 1/8" Structural Bar Tee	4.57	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.82*	
		For 316 Stainless Steel, Add	*2.53*	
		For Aluminum, Add	*0.14*	
		For Galvanized Steel, Add	*0.49*	
		For 304 Stainless Steel, Add	*2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	6.64	3.28
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.05*	
		For 316 Stainless Steel, Add	*7.23*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.40*	
		For 304 Stainless Steel, Add	*6.44*	
05 12 23 00-0627	LF	2" x 2" x 1/4" Structural Bar Tee	9.10	4.30
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.40*	
		For 316 Stainless Steel, Add	*10.78*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.09*	
		For 304 Stainless Steel, Add	*9.60*	
05 12 23 00-0628	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	12.96	5.17
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.84*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*17.24*	
05 12 23 00-0629	LF	3" x 3" x 3/8" Structural Bar Tee	16.10	6.63
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.31*	
		For 316 Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
		For 304 Stainless Steel, Add	*20.69*	

05 12 23 00-0630 Structural Zees *(05 12 23 00-0437)*

05 12 23 00-0631	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	7.75	3.28
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.13*	
		For 316 Stainless Steel, Add	*10.78*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.09*	
		For 304 Stainless Steel, Add	*9.60*	
05 12 23 00-0632	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	13.28	3.92
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000, Deduct	*-1.65*	
		For 316 Stainless Steel, Add	*25.82*	
		For Aluminum, Add	*1.45*	
		For Galvanized Steel, Add	*5.00*	
		For 304 Stainless Steel, Add	*23.00*	
05 12 23 00-0633	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	15.77	4.42
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.92*	
		For 316 Stainless Steel, Add	*31.62*	
		For Aluminum, Add	*1.78*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*28.16*	
05 12 23 00-0634	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	20.70	5.05
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.39*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For Galvanized Steel, Add	*8.66*	
		For 304 Stainless Steel, Add	*39.81*	
05 12 23 00-0635	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	26.24	5.50
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.88*	
		For 316 Stainless Steel, Add	*60.51*	
		For Aluminum, Add	*3.40*	
		For Galvanized Steel, Add	*11.72*	
		For 304 Stainless Steel, Add	*53.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636		**Junior I-Beams** *(05 12 23 00-0437)*		
05 12 23 00-0637	LF	3" Junior I-Beam, 2.9 LB/LF	10.76	4.73
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.60*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.76*	
		For 304 Stainless Steel, Add	*12.68*	
05 12 23 00-0638	LF	4" Junior I-Beam, 3.2 LB/LF	11.82	5.17
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.75*	
		For 316 Stainless Steel, Add	*15.71*	
		For Aluminum, Add	*0.88*	
		For Galvanized Steel, Add	*3.04*	
		For 304 Stainless Steel, Add	*13.99*	
05 12 23 00-0639	LF	5" Junior I-Beam, 3.8 LB/LF	13.40	5.69
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.95*	
		For 316 Stainless Steel, Add	*18.62*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.61*	
		For 304 Stainless Steel, Add	*16.59*	
05 12 23 00-0640	LF	6" Junior I-Beam, 4.4 LB/LF	14.99	6.19
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.16*	
		For 316 Stainless Steel, Add	*21.57*	
		For Aluminum, Add	*1.21*	
		For Galvanized Steel, Add	*4.18*	
		For 304 Stainless Steel, Add	*19.21*	
05 12 23 00-0641	LF	7" Junior I-Beam, 5.5 LB/LF	17.27	6.63
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.40*	
		For 316 Stainless Steel, Add	*26.98*	
		For Aluminum, Add	*1.52*	
		For Galvanized Steel, Add	*5.23*	
		For 304 Stainless Steel, Add	*24.03*	
05 12 23 00-0642	LF	8" Junior I-Beam, 6.5 LB/LF	19.39	7.08
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.63*	
		For 316 Stainless Steel, Add	*31.87*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*28.39*	
05 12 23 00-0643	LF	10" Junior I-Beam, 9 LB/LF	24.58	8.08
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.42*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.19*	
		For 316 Stainless Steel, Add	*44.16*	
		For Aluminum, Add	*2.48*	
		For Galvanized Steel, Add	*8.56*	
		For 304 Stainless Steel, Add	*39.33*	
05 12 23 00-0644	LF	12" Junior I-Beam, 11.8 LB/LF	30.88	9.60
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-3.91*	
		For 316 Stainless Steel, Add	*57.89*	
		For Aluminum, Add	*3.26*	
		For Galvanized Steel, Add	*11.22*	
		For 304 Stainless Steel, Add	*51.56*	
05 12 23 00-0645		**Round Stock** *(05 12 23 00-0437)*		
05 12 23 00-0646	LF	1/4" Carbon Steel Rounds, ASTM A108	1.54	
		For 316 Stainless Steel, Add	*2.21*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.43*	
		For 304 Stainless Steel, Add	*1.97*	
05 12 23 00-0647	LF	3/8" Carbon Steel Rounds, ASTM A108	2.32	
		For 316 Stainless Steel, Add	*4.35*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.84*	
		For 304 Stainless Steel, Add	*3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0648	LF	1/2" Carbon Steel Rounds, ASTM A108	3.14	
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For 304 Stainless Steel, Add	*5.93*	
05 12 23 00-0649	LF	5/8" Carbon Steel Rounds, ASTM A108	4.63	
		For 316 Stainless Steel, Add	*11.07*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.15*	
		For 304 Stainless Steel, Add	*9.86*	
05 12 23 00-0650	LF	3/4" Carbon Steel Rounds, ASTM A108	5.51	
		For 316 Stainless Steel, Add	*13.15*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*11.71*	
05 12 23 00-0651	LF	7/8" Carbon Steel Rounds, ASTM A108	6.42	
		For 316 Stainless Steel, Add	*15.36*	
		For Aluminum, Add	*0.86*	
		For Galvanized Steel, Add	*2.98*	
		For 304 Stainless Steel, Add	*13.68*	
05 12 23 00-0652	LF	1" Carbon Steel Rounds, ASTM A108	9.23	
		For 316 Stainless Steel, Add	*23.42*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.54*	
		For 304 Stainless Steel, Add	*20.86*	
05 12 23 00-0653	LF	1-1/8" Carbon Steel Rounds, ASTM A108	11.23	
		For 316 Stainless Steel, Add	*28.45*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.51*	
		For 304 Stainless Steel, Add	*25.34*	
05 12 23 00-0654	LF	1-1/4" Carbon Steel Rounds, ASTM A108	13.47	
		For 316 Stainless Steel, Add	*33.47*	
		For Aluminum, Add	*1.88*	
		For Galvanized Steel, Add	*6.49*	
		For 304 Stainless Steel, Add	*29.81*	
05 12 23 00-0655	LF	1-3/8" Carbon Steel Rounds, ASTM A108	16.28	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
		For 304 Stainless Steel, Add	*36.39*	
05 12 23 00-0656	LF	1-1/2" Carbon Steel Rounds, ASTM A108	18.21	
		For 316 Stainless Steel, Add	*44.80*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.68*	
		For 304 Stainless Steel, Add	*39.90*	
05 12 23 00-0657	LF	1-5/8" Carbon Steel Rounds, ASTM A108	21.13	
		For 316 Stainless Steel, Add	*50.78*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.84*	
		For 304 Stainless Steel, Add	*45.23*	
05 12 23 00-0658	LF	1-3/4" Carbon Steel Rounds, ASTM A108	25.49	
		For 316 Stainless Steel, Add	*59.10*	
		For Aluminum, Add	*3.32*	
		For Galvanized Steel, Add	*11.45*	
		For 304 Stainless Steel, Add	*52.64*	
05 12 23 00-0659	LF	1-7/8" Carbon Steel Rounds, ASTM A108	30.89	
		For 316 Stainless Steel, Add	*69.22*	
		For Aluminum, Add	*3.89*	
		For Galvanized Steel, Add	*13.41*	
		For 304 Stainless Steel, Add	*61.65*	
05 12 23 00-0660	LF	2" Carbon Steel Rounds, ASTM A108	35.46	
		For 316 Stainless Steel, Add	*76.99*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.92*	
		For 304 Stainless Steel, Add	*68.57*	
05 12 23 00-0661	LF	2-1/8" Carbon Steel Rounds, ASTM A108	41.65	
		For 316 Stainless Steel, Add	*87.94*	
		For Aluminum, Add	*4.95*	
		For Galvanized Steel, Add	*17.04*	
		For 304 Stainless Steel, Add	*78.32*	
05 12 23 00-0662	LF	2-1/4" Carbon Steel Rounds, ASTM A108	47.19	
		For 316 Stainless Steel, Add	*98.88*	
		For Aluminum, Add	*5.56*	
		For Galvanized Steel, Add	*19.16*	
		For 304 Stainless Steel, Add	*88.07*	
05 12 23 00-0663	LF	2-3/8" Carbon Steel Rounds, ASTM A108	54.07	
		For 316 Stainless Steel, Add	*113.09*	
		For Aluminum, Add	*6.36*	
		For Galvanized Steel, Add	*21.91*	
		For 304 Stainless Steel, Add	*100.72*	
05 12 23 00-0664	LF	2-1/2" Carbon Steel Rounds, ASTM A108	60.08	
		For 316 Stainless Steel, Add	*121.89*	
		For Aluminum, Add	*6.86*	
		For Galvanized Steel, Add	*23.62*	
		For 304 Stainless Steel, Add	*108.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0665	LF	2-5/8" Carbon Steel Rounds, ASTM A108	72.82	
		For 316 Stainless Steel, Add	*154.82*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
		For 304 Stainless Steel, Add	*137.88*	
05 12 23 00-0666	LF	2-3/4" Carbon Steel Rounds, ASTM A108	82.87	
		For 316 Stainless Steel, Add	*176.54*	
		For Aluminum, Add	*9.93*	
		For Galvanized Steel, Add	*34.21*	
		For 304 Stainless Steel, Add	*157.23*	
05 12 23 00-0667	LF	2-7/8 Carbon Steel Rounds, ASTM A108	92.43	
		For 316 Stainless Steel, Add	*196.74*	
		For Aluminum, Add	*11.07*	
		For Galvanized Steel, Add	*38.12*	
		For 304 Stainless Steel, Add	*175.22*	
05 12 23 00-0668	LF	3" Carbon Steel Rounds, ASTM A108	97.54	
		For 316 Stainless Steel, Add	*202.66*	
		For Aluminum, Add	*11.40*	
		For Galvanized Steel, Add	*39.26*	
		For 304 Stainless Steel, Add	*180.49*	
05 12 23 00-0669	LF	3-1/8" Carbon Steel Rounds, ASTM A108	102.20	
		For 316 Stainless Steel, Add	*207.14*	
		For Aluminum, Add	*11.65*	
		For Galvanized Steel, Add	*40.13*	
		For 304 Stainless Steel, Add	*184.48*	
05 12 23 00-0670	LF	3-1/4" Carbon Steel Rounds, ASTM A108	108.10	
		For 316 Stainless Steel, Add	*215.58*	
		For Aluminum, Add	*12.13*	
		For Galvanized Steel, Add	*41.77*	
		For 304 Stainless Steel, Add	*192.00*	
05 12 23 00-0671	LF	3-1/2" Carbon Steel Rounds, ASTM A108	130.28	
		For 316 Stainless Steel, Add	*273.54*	
		For Aluminum, Add	*15.39*	
		For Galvanized Steel, Add	*53.00*	
		For 304 Stainless Steel, Add	*243.62*	
05 12 23 00-0672	LF	3-5/8" Carbon Steel Rounds, ASTM A108	144.50	
		For 316 Stainless Steel, Add	*306.02*	
		For Aluminum, Add	*17.21*	
		For Galvanized Steel, Add	*59.29*	
		For 304 Stainless Steel, Add	*272.55*	
05 12 23 00-0673	LF	3-3/4" Carbon Steel Rounds, ASTM A108	155.23	
		For 316 Stainless Steel, Add	*327.33*	
		For Aluminum, Add	*18.41*	
		For Galvanized Steel, Add	*63.42*	
		For 304 Stainless Steel, Add	*291.53*	
05 12 23 00-0674	LF	4" Carbon Steel Rounds, ASTM A108	173.48	
		For 316 Stainless Steel, Add	*372.67*	
		For Aluminum, Add	*20.96*	
		For Galvanized Steel, Add	*72.21*	
		For 304 Stainless Steel, Add	*331.91*	

05 12 23 00-0675 Square Stock *(05 12 23 00-0437)*

05 12 23 00-0676	LF	3/8" Square Bar Stock	1.30	
		For 316 Stainless Steel, Add	*1.09*	
		For Aluminum, Add	*0.06*	
		For Galvanized Steel, Add	*0.21*	
		For 304 Stainless Steel, Add	*0.97*	
05 12 23 00-0677	LF	1/2" Square Bar Stock	1.66	
		For 316 Stainless Steel, Add	*1.92*	
		For Aluminum, Add	*0.11*	
		For Galvanized Steel, Add	*0.37*	
		For 304 Stainless Steel, Add	*1.71*	
05 12 23 00-0678	LF	5/8" Square Bar Stock	2.11	
		For 316 Stainless Steel, Add	*3.01*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For 304 Stainless Steel, Add	*2.68*	
05 12 23 00-0679	LF	3/4" Square Bar Stock	2.76	
		For 316 Stainless Steel, Add	*4.35*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.84*	
		For 304 Stainless Steel, Add	*3.88*	
05 12 23 00-0680	LF	7/8" Square Bar Stock	3.51	
		For 316 Stainless Steel, Add	*6.05*	
		For Aluminum, Add	*0.34*	
		For Galvanized Steel, Add	*1.17*	
		For 304 Stainless Steel, Add	*5.39*	
05 12 23 00-0681	LF	1" Square Bar Stock	4.33	
		For 316 Stainless Steel, Add	*7.74*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.50*	
		For 304 Stainless Steel, Add	*6.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0682	LF	1-1/4" Square Bar Stock	6.79	
		For 316 Stainless Steel, Add	*12.10*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.34*	
		For 304 Stainless Steel, Add	*10.77*	
05 12 23 00-0683	LF	1-1/2" Square Bar Stock	9.65	
		For 316 Stainless Steel, Add	*17.41*	
		For Aluminum, Add	*0.98*	
		For Galvanized Steel, Add	*3.37*	
		For 304 Stainless Steel, Add	*15.50*	
05 12 23 00-0684	LF	1-3/4" Square Bar Stock	14.59	
		For 316 Stainless Steel, Add	*24.22*	
		For Aluminum, Add	*1.36*	
		For Galvanized Steel, Add	*4.69*	
		For 304 Stainless Steel, Add	*21.57*	
05 12 23 00-0685	LF	2" Square Bar Stock	21.47	
		For 316 Stainless Steel, Add	*30.98*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*6.00*	
		For 304 Stainless Steel, Add	*27.59*	
05 12 23 00-0686		Steel Tubing *(05 12 23 00-0437)*		
		Note: General purpose low-carbon steel.		
05 12 23 00-0687		Square Steel Tubing *(05 12 23 00-0686)*		
05 12 23 00-0688		0.06" Wall Thickness *(05 12 23 00-0687)*		
05 12 23 00-0689	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	1.49	0.45
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000, Deduct	*-0.19*	
		For 316 Stainless Steel, Add	*2.85*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.55*	
		For 304 Stainless Steel, Add	*2.54*	
05 12 23 00-0690	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	2.30	0.71
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000, Deduct	*-0.29*	
		For 316 Stainless Steel, Add	*4.32*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.84*	
		For 304 Stainless Steel, Add	*3.85*	
05 12 23 00-0691	LF	1" x 1" x 0.06" Square Steel Tubing	3.10	1.29
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000, Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*5.79*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.12*	
		For 304 Stainless Steel, Add	*5.16*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.08	1.23
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.51*	
		For 316 Stainless Steel, Add	*7.81*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.95*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.85	1.49
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.61*	
		For 316 Stainless Steel, Add	*9.18*	
		For Aluminum, Add	*0.52*	
		For Galvanized Steel, Add	*1.78*	
		For 304 Stainless Steel, Add	*8.18*	
05 12 23 00-0694		0.083" Wall Thickness *(05 12 23 00-0687)*		
05 12 23 00-0695	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	2.68	0.84
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.34*	
		For 316 Stainless Steel, Add	*5.02*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.97*	
		For 304 Stainless Steel, Add	*4.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0696	LF	1" x 1" x 0.083" Square Steel Tubing	3.88	1.15
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.48*	
		For 316 Stainless Steel, Add	*7.52*	
		For Aluminum, Add	*0.42*	
		For Galvanized Steel, Add	*1.46*	
		For 304 Stainless Steel, Add	*6.70*	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.71	1.46
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.60*	
		For 316 Stainless Steel, Add	*8.86*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.72*	
		For 304 Stainless Steel, Add	*7.89*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.71	1.77
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.72*	
		For 316 Stainless Steel, Add	*10.72*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.08*	
		For 304 Stainless Steel, Add	*9.55*	
05 12 23 00-0699	LF	2" x 2" x 0.083" Square Steel Tubing	7.35	2.36
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.94*	
		For 316 Stainless Steel, Add	*13.47*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.61*	
		For 304 Stainless Steel, Add	*12.00*	

05 12 23 00-0700 0.12" Wall Thickness *(05 12 23 00-0687)*

05 12 23 00-0701	LF	1" x 1" x 0.12" Square Steel Tubing	4.31	1.36
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.55*	
		For 316 Stainless Steel, Add	*8.00*	
		For Aluminum, Add	*0.45*	
		For Galvanized Steel, Add	*1.55*	
		For 304 Stainless Steel, Add	*7.13*	
05 12 23 00-0702	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	5.57	1.75
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.71*	
		For 316 Stainless Steel, Add	*10.34*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*2.00*	
		For 304 Stainless Steel, Add	*9.21*	
05 12 23 00-0703	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	6.83	2.13
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.87*	
		For 316 Stainless Steel, Add	*12.74*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.47*	
		For 304 Stainless Steel, Add	*11.34*	
05 12 23 00-0704	LF	2" x 2" x 0.12" Square Steel Tubing	9.25	2.91
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.18*	
		For 316 Stainless Steel, Add	*17.18*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.33*	
		For 304 Stainless Steel, Add	*15.30*	

05 12 23 00-0705 1/8" Wall Thickness *(05 12 23 00-0687)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706	LF	2" x 2" x 1/8" Square Steel Tubing	8.50	3.02
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.14*	
		For 316 Stainless Steel, Add	*14.30*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.77*	
		For 304 Stainless Steel, Add	*12.74*	
05 12 23 00-0707	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	11.14	3.83
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.47*	
		For 316 Stainless Steel, Add	*19.33*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.74*	
		For 304 Stainless Steel, Add	*17.21*	
05 12 23 00-0708	LF	3" x 3" x 1/8" Square Steel Tubing	13.13	4.63
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 316 Stainless Steel, Add	*22.24*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.31*	
		For 304 Stainless Steel, Add	*19.81*	
05 12 23 00-0709	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	15.25	5.44
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*25.57*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.95*	
		For 304 Stainless Steel, Add	*22.77*	
05 12 23 00-0710	LF	4" x 4" x 1/8" Square Steel Tubing	16.91	6.25
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.31*	
		For 316 Stainless Steel, Add	*27.46*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.32*	
		For 304 Stainless Steel, Add	*24.45*	

05 12 23 00-0711 3/16" Wall Thickness *(05 12 23 00-0687)*

05 12 23 00-0712	LF	2" x 2" x 3/16" Square Steel Tubing	9.64	3.41
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.29*	
		For 316 Stainless Steel, Add	*16.29*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.16*	
		For 304 Stainless Steel, Add	*14.51*	
05 12 23 00-0713	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.47	4.41
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.67*	
		For 316 Stainless Steel, Add	*21.09*	
		For Aluminum, Add	*1.19*	
		For Galvanized Steel, Add	*4.09*	
		For 304 Stainless Steel, Add	*18.78*	
05 12 23 00-0714	LF	3" x 3" x 3/16" Square Steel Tubing	15.33	5.43
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*25.92*	
		For Aluminum, Add	*1.46*	
		For Galvanized Steel, Add	*5.02*	
		For 304 Stainless Steel, Add	*23.09*	
05 12 23 00-0715	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	18.19	6.43
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.75*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
		For 304 Stainless Steel, Add	*27.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF	4" x 4" x 3/16" Square Steel Tubing	21.02	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*35.52*	
		For Aluminum, Add	*2.00*	
		For Galvanized Steel, Add	*6.88*	
		For 304 Stainless Steel, Add	*31.64*	
05 12 23 00-0717	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	23.87	8.45
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*40.35*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.82*	
		For 304 Stainless Steel, Add	*35.94*	
05 12 23 00-0718	LF	5" x 5" x 3/16" Square Steel Tubing	26.71	9.45
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.58*	
		For 316 Stainless Steel, Add	*45.15*	
		For Aluminum, Add	*2.54*	
		For Galvanized Steel, Add	*8.75*	
		For 304 Stainless Steel, Add	*40.21*	
05 12 23 00-0719	LF	6" x 6" x 3/16" Square Steel Tubing	32.42	11.47
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.34*	
		For 316 Stainless Steel, Add	*54.82*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.62*	
		For 304 Stainless Steel, Add	*48.82*	

05 12 23 00-0720 1/4" Wall Thickness *(05 12 23 00-0687)*

05 12 23 00-0721	LF	2" x 2" x 1/4" Square Steel Tubing	10.19	3.41
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.33*	
		For 316 Stainless Steel, Add	*18.02*	
		For Aluminum, Add	*1.01*	
		For Galvanized Steel, Add	*3.49*	
		For 304 Stainless Steel, Add	*16.05*	
05 12 23 00-0722	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	13.39	4.49
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.75*	
		For 316 Stainless Steel, Add	*23.68*	
		For Aluminum, Add	*1.33*	
		For Galvanized Steel, Add	*4.59*	
		For 304 Stainless Steel, Add	*21.09*	
05 12 23 00-0723	LF	3" x 3" x 1/4" Square Steel Tubing	16.58	5.57
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*29.31*	
		For Aluminum, Add	*1.65*	
		For Galvanized Steel, Add	*5.68*	
		For 304 Stainless Steel, Add	*26.11*	
05 12 23 00-0724	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	19.78	6.63
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For 304 Stainless Steel, Add	*31.15*	
05 12 23 00-0725	LF	4" x 4" x 1/4" Square Steel Tubing	22.98	7.71
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*40.64*	
		For Aluminum, Add	*2.29*	
		For Galvanized Steel, Add	*7.87*	
		For 304 Stainless Steel, Add	*36.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0726	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	26.19	8.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
		For 304 Stainless Steel, Add	*41.24*	
05 12 23 00-0727	LF	5" x 5" x 1/4" Square Steel Tubing	29.41	9.87
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-3.85*	
		For 316 Stainless Steel, Add	*52.00*	
		For Aluminum, Add	*2.93*	
		For Galvanized Steel, Add	*10.08*	
		For 304 Stainless Steel, Add	*46.31*	
05 12 23 00-0728	LF	6" x 6" x 1/4" Square Steel Tubing	35.81	12.01
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.69*	
		For 316 Stainless Steel, Add	*63.33*	
		For Aluminum, Add	*3.56*	
		For Galvanized Steel, Add	*12.27*	
		For 304 Stainless Steel, Add	*56.40*	

05 12 23 00-0729 Rectangular Steel Tubing *(05 12 23 00-0686)*

05 12 23 00-0730 3/16" Wall Thickness *(05 12 23 00-0729)*

05 12 23 00-0731	LF	3" x 2" x 3/16" Square Steel Tubing	12.47	4.41
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.67*	
		For 316 Stainless Steel, Add	*21.09*	
		For Aluminum, Add	*1.19*	
		For Galvanized Steel, Add	*4.09*	
		For 304 Stainless Steel, Add	*18.78*	
05 12 23 00-0732	LF	4" x 2" x 3/16" Square Steel Tubing	15.33	5.43
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*25.92*	
		For Aluminum, Add	*1.46*	
		For Galvanized Steel, Add	*5.02*	
		For 304 Stainless Steel, Add	*23.09*	
05 12 23 00-0733	LF	4" x 3" x 3/16" Square Steel Tubing	18.19	6.43
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.75*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
		For 304 Stainless Steel, Add	*27.39*	
05 12 23 00-0734	LF	5" x 2" x 3/16" Square Steel Tubing	18.19	6.43
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.75*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
		For 304 Stainless Steel, Add	*27.39*	
05 12 23 00-0735	LF	5" x 3" x 3/16" Square Steel Tubing	21.02	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*35.52*	
		For Aluminum, Add	*2.00*	
		For Galvanized Steel, Add	*6.88*	
		For 304 Stainless Steel, Add	*31.64*	
05 12 23 00-0736	LF	5" x 4" x 3/16" Square Steel Tubing	23.87	8.45
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*40.35*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.82*	
		For 304 Stainless Steel, Add	*35.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF	6" x 2" x 3/16" Square Steel Tubing	21.02	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*35.52*	
		For Aluminum, Add	*2.00*	
		For Galvanized Steel, Add	*6.88*	
		For 304 Stainless Steel, Add	*31.64*	
05 12 23 00-0738	LF	6" x 3" x 3/16" Square Steel Tubing	23.87	8.45
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*40.35*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.82*	
		For 304 Stainless Steel, Add	*35.94*	
05 12 23 00-0739	LF	6" x 4" x 3/16" Square Steel Tubing	26.71	9.45
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.58*	
		For 316 Stainless Steel, Add	*45.15*	
		For Aluminum, Add	*2.54*	
		For Galvanized Steel, Add	*8.75*	
		For 304 Stainless Steel, Add	*40.21*	

05 12 23 00-0740 1/4" Wall Thickness *(05 12 23 00-0729)*

05 12 23 00-0741	LF	3" x 2" x 1/4" Square Steel Tubing	13.39	4.49
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.75*	
		For 316 Stainless Steel, Add	*23.68*	
		For Aluminum, Add	*1.33*	
		For Galvanized Steel, Add	*4.59*	
		For 304 Stainless Steel, Add	*21.09*	
05 12 23 00-0742	LF	4" x 2" x 1/4" Square Steel Tubing	16.58	5.57
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*29.31*	
		For Aluminum, Add	*1.65*	
		For Galvanized Steel, Add	*5.68*	
		For 304 Stainless Steel, Add	*26.11*	
05 12 23 00-0743	LF	4" x 3" x 1/4" Square Steel Tubing	19.78	6.63
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For 304 Stainless Steel, Add	*31.15*	
05 12 23 00-0744	LF	5" x 2" x 1/4" Square Steel Tubing	19.78	6.63
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For 304 Stainless Steel, Add	*31.15*	
05 12 23 00-0745	LF	5" x 3" x 1/4" Square Steel Tubing	22.98	7.71
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*40.64*	
		For Aluminum, Add	*2.29*	
		For Galvanized Steel, Add	*7.87*	
		For 304 Stainless Steel, Add	*36.20*	
05 12 23 00-0746	LF	5" x 4" x 1/4" Square Steel Tubing	26.19	8.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
		For 304 Stainless Steel, Add	*41.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0747	LF	6" x 2" x 1/4" Square Steel Tubing	22.98	7.71
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*40.64*	
		For Aluminum, Add	*2.29*	
		For Galvanized Steel, Add	*7.87*	
		For 304 Stainless Steel, Add	*36.20*	
05 12 23 00-0748	LF	6" x 3" x 1/4" Square Steel Tubing	26.19	8.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
		For 304 Stainless Steel, Add	*41.24*	
05 12 23 00-0749	LF	6" x 4" x 1/4" Square Steel Tubing	29.41	9.87
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-3.85*	
		For 316 Stainless Steel, Add	*52.00*	
		For Aluminum, Add	*2.93*	
		For Galvanized Steel, Add	*10.08*	
		For 304 Stainless Steel, Add	*46.31*	

05 12 23 00-0750 Round Steel Tubing *(05 12 23 00-0686)*

05 12 23 00-0751 0.065" Wall Thickness *(05 12 23 00-0750)*

05 12 23 00-0752	LF	1" Diameter x 0.065" Round Steel Tubing	2.68	0.82
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000, Deduct	*-0.34*	
		For 316 Stainless Steel, Add	*5.06*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.98*	
		For 304 Stainless Steel, Add	*4.50*	
05 12 23 00-0753	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	3.40	1.04
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*6.43*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.25*	
		For 304 Stainless Steel, Add	*5.73*	
05 12 23 00-0754	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	4.11	1.26
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.52*	
		For 316 Stainless Steel, Add	*7.78*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.93*	
05 12 23 00-0755	LF	2" Diameter x 0.065" Round Steel Tubing	5.53	1.70
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.70*	
		For 316 Stainless Steel, Add	*10.46*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.03*	
		For 304 Stainless Steel, Add	*9.32*	
05 12 23 00-0756	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	6.97	2.13
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*13.18*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*11.74*	
05 12 23 00-0757	LF	3" Diameter x 0.065" Round Steel Tubing	8.39	2.58
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.06*	
		For 316 Stainless Steel, Add	*15.87*	
		For Aluminum, Add	*0.89*	
		For Galvanized Steel, Add	*3.08*	
		For 304 Stainless Steel, Add	*14.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	9.83	3.01
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.24*	
		For 316 Stainless Steel, Add	*18.59*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.60*	
		For 304 Stainless Steel, Add	*16.56*	
05 12 23 00-0759	LF	4" Diameter x 0.065" Round Steel Tubing	11.26	3.45
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.42*	
		For 316 Stainless Steel, Add	*21.31*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.13*	
		For 304 Stainless Steel, Add	*18.98*	
05 12 23 00-0760		0.083" Wall Thickness *(05 12 23 00-0750)*		
05 12 23 00-0761	LF	1" Diameter x 0.083" Round Steel Tubing	2.91	0.90
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*5.47*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.06*	
		For 304 Stainless Steel, Add	*4.87*	
05 12 23 00-0762	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	3.70	1.15
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.47*	
		For 316 Stainless Steel, Add	*6.98*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.35*	
		For 304 Stainless Steel, Add	*6.21*	
05 12 23 00-0763	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	4.49	1.39
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.57*	
		For 316 Stainless Steel, Add	*8.45*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.64*	
		For 304 Stainless Steel, Add	*7.52*	
05 12 23 00-0764	LF	2" Diameter x 0.083" Round Steel Tubing	6.09	1.88
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.77*	
		For 316 Stainless Steel, Add	*11.46*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.22*	
		For 304 Stainless Steel, Add	*10.20*	
05 12 23 00-0765	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	7.67	2.37
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*14.43*	
		For Aluminum, Add	*0.81*	
		For Galvanized Steel, Add	*2.80*	
		For 304 Stainless Steel, Add	*12.85*	
05 12 23 00-0766	LF	3" Diameter x 0.083" Round Steel Tubing	9.26	2.86
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.17*	
		For 316 Stainless Steel, Add	*17.41*	
		For Aluminum, Add	*0.98*	
		For Galvanized Steel, Add	*3.37*	
		For 304 Stainless Steel, Add	*15.50*	
05 12 23 00-0767	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	10.84	3.35
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.37*	
		For 316 Stainless Steel, Add	*20.42*	
		For Aluminum, Add	*1.15*	
		For Galvanized Steel, Add	*3.96*	
		For 304 Stainless Steel, Add	*18.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF	4" Diameter x 0.083" Round Steel Tubing	12.42	3.84
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.57*	
		For 316 Stainless Steel, Add	*23.39*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.53*	
		For 304 Stainless Steel, Add	*20.83*	
05 12 23 00-0769		0.125" Wall Thickness *(05 12 23 00-0750)*		
05 12 23 00-0770	LF	2" Diameter x 0.125" Round Steel Tubing	6.67	2.38
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.90*	
		For 316 Stainless Steel, Add	*11.23*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.18*	
		For 304 Stainless Steel, Add	*10.00*	
05 12 23 00-0771	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	8.46	3.00
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.14*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.76*	
		For 304 Stainless Steel, Add	*12.68*	
05 12 23 00-0772	LF	3" Diameter x 0.125" Round Steel Tubing	10.23	3.63
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.37*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*15.33*	
05 12 23 00-0773	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	12.01	4.27
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.61*	
		For 316 Stainless Steel, Add	*20.22*	
		For Aluminum, Add	*1.14*	
		For Galvanized Steel, Add	*3.92*	
		For 304 Stainless Steel, Add	*18.01*	
05 12 23 00-0774	LF	4" Diameter x 0.125" Round Steel Tubing	13.78	4.90
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.85*	
		For 316 Stainless Steel, Add	*23.20*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
		For 304 Stainless Steel, Add	*20.66*	
05 12 23 00-0775		Flat Steel Bar *(05 12 23 00-0437)*		
05 12 23 00-0776		1/8" Thick *(05 12 23 00-0775)*		
05 12 23 00-0777	LF	1/8" Thick x 1" Wide Flat Steel Bar	2.16	1.18
		For 316 Stainless Steel, Add	*1.25*	
		For Aluminum, Add	*0.07*	
		For Galvanized Steel, Add	*0.24*	
		For 304 Stainless Steel, Add	*1.11*	
05 12 23 00-0778	LF	1/8" Thick x 2" Wide Flat Steel Bar	3.30	1.77
		For 316 Stainless Steel, Add	*2.08*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.40*	
		For 304 Stainless Steel, Add	*1.85*	
05 12 23 00-0779	LF	1/8" Thick x 4" Wide Flat Steel Bar	4.92	2.50
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.74*	
		For 304 Stainless Steel, Add	*3.39*	
05 12 23 00-0780	LF	1/8" Thick x 6" Wide Flat Steel Bar	6.67	3.38
		For 316 Stainless Steel, Add	*5.12*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*0.99*	
		For 304 Stainless Steel, Add	*4.56*	
05 12 23 00-0781		3/16" Thick *(05 12 23 00-0775)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0782	LF	3/16" Thick x 1" Wide Flat Steel Bar	2.79	1.47
		For 316 Stainless Steel, Add	*1.92*	
		For Aluminum, Add	*0.11*	
		For Galvanized Steel, Add	*0.37*	
		For 304 Stainless Steel, Add	*1.71*	
05 12 23 00-0783	LF	3/16" Thick x 2" Wide Flat Steel Bar	4.33	2.19
		For 316 Stainless Steel, Add	*3.30*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.94*	
05 12 23 00-0784	LF	3/16" Thick x 4" Wide Flat Steel Bar	5.52	2.53
		For 316 Stainless Steel, Add	*5.57*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.08*	
		For 304 Stainless Steel, Add	*4.96*	
05 12 23 00-0785	LF	3/16" Thick x 6" Wide Flat Steel Bar	7.66	3.50
		For 316 Stainless Steel, Add	*7.71*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.49*	
		For 304 Stainless Steel, Add	*6.87*	
05 12 23 00-0786		1/4" Thick *(05 12 23 00-0775)*		
05 12 23 00-0787	LF	1/4" Thick x 1" Wide Flat Steel Bar	2.92	1.55
		For 316 Stainless Steel, Add	*1.89*	
		For Aluminum, Add	*0.11*	
		For Galvanized Steel, Add	*0.37*	
		For 304 Stainless Steel, Add	*1.68*	
05 12 23 00-0788	LF	1/4" Thick x 2" Wide Flat Steel Bar	4.67	2.33
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.74*	
		For 304 Stainless Steel, Add	*3.39*	
05 12 23 00-0789	LF	1/4" Thick x 4" Wide Flat Steel Bar	6.30	2.65
		For 316 Stainless Steel, Add	*7.39*	
		For Aluminum, Add	*0.42*	
		For Galvanized Steel, Add	*1.43*	
		For 304 Stainless Steel, Add	*6.58*	
05 12 23 00-0790	LF	1/4" Thick x 6" Wide Flat Steel Bar	9.18	3.93
		For 316 Stainless Steel, Add	*10.50*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.03*	
		For 304 Stainless Steel, Add	*9.35*	
05 12 23 00-0791		3/8" Thick *(05 12 23 00-0775)*		
05 12 23 00-0792	LF	3/8" Thick x 1" Wide Flat Steel Bar	3.55	1.74
		For 316 Stainless Steel, Add	*2.98*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For 304 Stainless Steel, Add	*2.65*	
05 12 23 00-0793	LF	3/8" Thick x 2" Wide Flat Steel Bar	5.64	2.61
		For 316 Stainless Steel, Add	*5.47*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.06*	
		For 304 Stainless Steel, Add	*4.87*	
05 12 23 00-0794	LF	3/8" Thick x 4" Wide Flat Steel Bar	7.90	2.98
		For 316 Stainless Steel, Add	*10.94*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.12*	
		For 304 Stainless Steel, Add	*9.75*	
05 12 23 00-0795	LF	3/8" Thick x 6" Wide Flat Steel Bar	11.44	4.41
		For 316 Stainless Steel, Add	*15.39*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*2.98*	
		For 304 Stainless Steel, Add	*13.71*	
05 12 23 00-0796		1/2" Thick *(05 12 23 00-0775)*		
05 12 23 00-0797	LF	1/2" Thick x 1" Wide Flat Steel Bar	4.07	1.91
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.74*	
		For 304 Stainless Steel, Add	*3.39*	
05 12 23 00-0798	LF	1/2" Thick x 2" Wide Flat Steel Bar	6.50	2.88
		For 316 Stainless Steel, Add	*6.98*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.35*	
		For 304 Stainless Steel, Add	*6.21*	
05 12 23 00-0799	LF	1/2" Thick x 4" Wide Flat Steel Bar	8.64	3.27
		For 316 Stainless Steel, Add	*11.90*	
		For Aluminum, Add	*0.67*	
		For Galvanized Steel, Add	*2.31*	
		For 304 Stainless Steel, Add	*10.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0800	LF	1/2" Thick x 6" Wide Flat Steel Bar	14.71	4.86
		For 316 Stainless Steel, Add	*23.74*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.60*	
		For 304 Stainless Steel, Add	*21.15*	
05 12 23 00-0801		Flat Steel Plate *(05 12 23 00-0437)*		
05 12 23 00-0802	SF	1/8" Thick Flat Steel Plate	10.42	5.07
		For 316 Stainless Steel, Add	*8.96*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.74*	
		For 304 Stainless Steel, Add	*7.98*	
05 12 23 00-0803	SF	3/16" Thick Flat Steel Plate	11.39	5.25
		For 316 Stainless Steel, Add	*11.20*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.17*	
		For 304 Stainless Steel, Add	*9.98*	
05 12 23 00-0804	SF	1/4" Thick Flat Steel Plate	13.30	5.89
		For 316 Stainless Steel, Add	*14.27*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.77*	
		For 304 Stainless Steel, Add	*12.71*	
05 12 23 00-0805	SF	3/8" Thick Flat Steel Plate	16.96	6.62
		For 316 Stainless Steel, Add	*22.43*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
		For 304 Stainless Steel, Add	*19.98*	
05 12 23 00-0806	SF	1/2" Thick Flat Steel Plate	19.67	7.29
		For 316 Stainless Steel, Add	*27.94*	
		For Aluminum, Add	*1.57*	
		For Galvanized Steel, Add	*5.41*	
		For 304 Stainless Steel, Add	*24.88*	
05 12 23 00-0807	SF	3/4" Thick Flat Steel Plate	30.04	9.02
		For 316 Stainless Steel, Add	*52.38*	
		For Aluminum, Add	*2.95*	
		For Galvanized Steel, Add	*10.15*	
		For 304 Stainless Steel, Add	*46.65*	
05 12 23 00-0808	SF	1" Thick Flat Steel Plate	39.50	11.28
		For 316 Stainless Steel, Add	*71.71*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For 304 Stainless Steel, Add	*63.87*	

05 14 Structural Aluminum Framing *(05 10)*

05 14 16 Structural Aluminum Framing *(05 14)*

05 14 16 00-0001 Rolled Or Plate Shapes *(05 14 16)*

Note: 1" through 10" member.

05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.62	4.02
05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.37	2.71

05 14 16 00-0004 Aluminum Extrusions *(05 14 16)*

05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.81	2.71
05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	7.04	2.71

05 14 16 00-0007 Aluminum Tubing *(05 14 16)*

05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	8.01	2.85
05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.48	4.63
05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	11.81	5.05
05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.71	5.90
05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.19	6.31
05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	27.80	8.00
05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	23.72	7.16

05 14 16 00-0015 Columns *(05 14 16)*

Note: Baked on paint finish, load bearing.

05 14 16 00-0016 Round Columns *(05 14 16 00-0015)*

05 14 16 00-0017	LF	6" Diameter Aluminum Column	21.67	5.46
05 14 16 00-0018	LF	8" Diameter Aluminum Column	28.79	7.82
05 14 16 00-0019	LF	10" Diameter Aluminum Column	34.16	8.80
05 14 16 00-0020	LF	12" Diameter Aluminum Column	46.15	9.20
05 14 16 00-0021	LF	15" Diameter Aluminum Column	57.54	10.67
05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	40.44	10.18
05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	45.45	10.99
05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	55.28	12.21
05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	85.33	13.03
05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	123.44	14.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0027		Octagonal Columns *(05 14 16 00-0015)*		
05 14 16 00-0028	LF	6" Diameter Aluminum Column	22.65	5.46
05 14 16 00-0029	LF	8" Diameter Aluminum Column	31.42	7.82
05 14 16 00-0030	LF	10" Diameter Aluminum Column	37.47	8.80
05 14 16 00-0031	LF	12" Diameter Aluminum Column	51.71	9.20
05 14 16 00-0032	LF	15" Diameter Aluminum Column	64.80	10.67
05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	44.45	10.18
05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	50.15	10.99
05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	61.45	12.21
05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	97.19	13.03
05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	142.43	14.25
05 14 16 00-0038		Fluted Columns *(05 14 16 00-0015)*		
05 14 16 00-0039	LF	6" Diameter Aluminum Column	24.42	5.46
05 14 16 00-0040	LF	8" Diameter Aluminum Column	33.78	7.82
05 14 16 00-0041	LF	10" Diameter Aluminum Column	40.46	8.80
05 14 16 00-0042	LF	12" Diameter Aluminum Column	56.72	9.20
05 14 16 00-0043	LF	15" Diameter Aluminum Column	71.33	10.67
05 14 16 00-0044	EA	6" Diameter Aluminum Base And Cap	48.07	10.18
05 14 16 00-0045	EA	8" Diameter Aluminum Base And Cap	54.37	10.99
05 14 16 00-0046	EA	10" Diameter Aluminum Base And Cap	67.00	12.21
05 14 16 00-0047	EA	12" Diameter Aluminum Base And Cap	107.85	13.03
05 14 16 00-0048	EA	15" Diameter Aluminum Base And Cap	159.52	14.25
05 14 16 00-0049		Square Columns *(05 14 16 00-0015)*		
05 14 16 00-0050	LF	6" Aluminum Column	25.64	5.46
05 14 16 00-0051	LF	8" Aluminum Column	35.39	7.82
05 14 16 00-0052	LF	10" Aluminum Column	42.50	8.80
05 14 16 00-0053	LF	12" Aluminum Column	60.14	9.20
05 14 16 00-0054	LF	15" Aluminum Column	75.80	10.67
05 14 16 00-0055	EA	6" Aluminum Base And Cap	50.54	10.18
05 14 16 00-0056	EA	8" Aluminum Base And Cap	57.26	10.99
05 14 16 00-0057	EA	10" Aluminum Base And Cap	70.80	12.21
05 14 16 00-0058	EA	12" Aluminum Base And Cap	115.15	13.03
05 14 16 00-0059	EA	15" Aluminum Base And Cap	171.21	14.25
05 14 16 00-0060		Ornamental Or Decorative Cap And Bases *(05 14 16 00-0015)*		
05 14 16 00-0061	EA	8" Corinthian Capital And Base	228.84	12.21
05 14 16 00-0062	EA	10" Corinthian Capital And Base	332.04	14.25
05 14 16 00-0063	EA	12" Corinthian Capital And Base	517.37	16.29
05 14 16 00-0064	EA	8" Scamozzi Capital And Base	121.40	12.21
05 14 16 00-0065	EA	10" Scamozzi Capital And Base	159.96	14.25
05 14 16 00-0066	EA	12" Scamozzi Capital And Base	306.16	16.29

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	0.98	0.08
		For >500, Deduct	*-0.17*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.33	0.08
		For >500, Deduct	*-0.22*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.60	0.17
		For >500, Deduct	*-0.26*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.94	0.17
		For >500, Deduct	*-0.30*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.28	0.25
		For >500, Deduct	*-0.34*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.79	0.33
		For >500, Deduct	*-0.41*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.35	0.33
		For >500, Deduct	*-0.49*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.65	0.59
		For >500, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.27	0.67
		For >500, Deduct	*-0.89*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.84	0.93
		For >500, Deduct	*-1.09*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.70	1.18
		For >500, Deduct	*-1.35*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.82	1.43
		For >500, Deduct	*-1.64*	
05 15 16 00-0014		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.15	0.08
		For >500, Deduct	*-0.20*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.50	0.08
		For >500, Deduct	*-0.26*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.87	0.17
		For >500, Deduct	*-0.31*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.15	0.17
		For >500, Deduct	*-0.34*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.58	0.25
		For >500, Deduct	*-0.40*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.00	0.33
		For >500, Deduct	*-0.45*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.52	0.33
		For >500, Deduct	*-0.52*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.15	0.59
		For >500, Deduct	*-0.76*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.63	0.67
		For >500, Deduct	*-0.96*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.19	0.93
		For >500, Deduct	*-1.17*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.49	1.18
		For >500, Deduct	*-1.50*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.74	1.43
		For >500, Deduct	*-1.83*	
05 15 16 00-0027		6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	0.92	0.08
		For >500, Deduct	*-0.16*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.26	0.08
		For >500, Deduct	*-0.21*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.51	0.17
		For >500, Deduct	*-0.24*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.79	0.17
		For >500, Deduct	*-0.27*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.18	0.25
		For >500, Deduct	*-0.32*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.75	0.33
		For >500, Deduct	*-0.40*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.23	0.33
		For >500, Deduct	*-0.46*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.54	0.59
		For >500, Deduct	*-0.64*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.62	0.67
		For >500, Deduct	*-0.76*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	7.16	0.93
		For >500, Deduct	*-0.96*	
05 15 16 00-0038		6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	0.91	0.08
		For >500, Deduct	*-0.15*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.21	0.08
		For >500, Deduct	*-0.20*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.51	0.17
		For >500, Deduct	*-0.24*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.79	0.17
		For >500, Deduct	*-0.27*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.26	0.25
		For >500, Deduct	*-0.34*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.72	0.33
		For >500, Deduct	*-0.39*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.40	0.33
		For >500, Deduct	*-0.50*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.74	0.59
		For >500, Deduct	*-0.68*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.23	0.67
		For >500, Deduct	*-0.88*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.71	0.93
		For >500, Deduct	*-1.07*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	1.69	0.17
		For >500, Deduct	*-0.27*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.01	0.17
		For >500, Deduct	*-0.31*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.38	0.25
		For >500, Deduct	*-0.36*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.18	0.33
		For >500, Deduct	*-0.49*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.54	0.33
		For >500, Deduct	*-0.52*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.84	0.59
		For >500, Deduct	*-0.70*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	6.25	0.67
		For >500, Deduct	*-0.89*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.23	0.93
		For >500, Deduct	*-1.17*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.99	1.18
		For >500, Deduct	*-1.41*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.06	1.43
		For >500, Deduct	*-1.69*	

05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	1.74	0.17
		For >500, Deduct	*-0.28*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.12	0.17
		For >500, Deduct	*-0.34*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.53	0.25
		For >500, Deduct	*-0.39*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.51	0.33
		For >500, Deduct	*-0.55*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.59	0.33
		For >500, Deduct	*-0.53*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.95	0.59
		For >500, Deduct	*-0.72*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	6.58	0.67
		For >500, Deduct	*-0.95*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.34	0.93
		For >500, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0069		**19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope** *(05 15 16)*		
05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	1.75	0.08
		For >500, Deduct	*-0.32*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	1.91	0.08
		For >500, Deduct	*-0.34*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.26	0.17
		For >500, Deduct	*-0.39*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.03	0.17
		For >500, Deduct	*-0.52*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.44	0.17
		For >500, Deduct	*-0.60*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.04	0.33
		For >500, Deduct	*-0.66*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.82	0.33
		For >500, Deduct	*-0.78*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.64	0.50
		For >500, Deduct	*-1.07*	
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.22	0.06
		For >500, Deduct	*-0.03*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.25	0.07
		For >500, Deduct	*-0.03*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.28	0.08
		For >500, Deduct	*-0.03*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.32	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.40	0.08
		For >500, Deduct	*-0.05*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.38	0.08
		For >500, Deduct	*-0.05*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.41	0.08
		For >500, Deduct	*-0.06*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.47	0.08
		For >500, Deduct	*-0.06*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.54	0.08
		For >500, Deduct	*-0.08*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.83	0.08
		For >500, Deduct	*-0.12*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.11	0.08
		For >500, Deduct	*-0.16*	
05 15 16 00-0091		**Heavy Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.54	2.53
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.24	2.53
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.00	2.53
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.12	2.53
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.13	2.53
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.13	2.53
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.84	2.53
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	24.04	3.88
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	28.66	4.71
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	49.80	7.75
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	70.39	10.53
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	70.39	10.53
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	11.09	2.53
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	11.26	2.53
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	12.39	2.53
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	12.57	2.53
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	12.82	2.53
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	15.25	2.53
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	15.44	2.53
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	17.29	2.53
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	17.54	2.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	24.48	3.37
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	37.06	5.05
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	40.15	5.05
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	47.96	6.73
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	69.81	10.11
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	38.98	2.53
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	60.25	2.53
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	63.59	3.37
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	76.78	4.21
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	76.78	4.21
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	118.51	9.26
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	118.51	9.26
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	162.12	17.69
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	220.53	25.26
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	317.31	38.74
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	436.53	60.63
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	508.54	69.89
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	32.18	2.53
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	42.07	2.53
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	42.07	2.53
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	53.21	3.37
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	54.14	3.37
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	77.43	5.90
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	81.44	6.73
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	104.43	10.94
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	138.97	16.00
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	198.50	21.89
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	251.26	30.31
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	352.66	47.15
05 15 16 00-0145		**Galvanized Steel, Open Spelter Sockets** *(05 15 16)*		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	62.42	2.53
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	65.26	2.53
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	65.26	2.53
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	76.50	5.05
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	76.50	5.05
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	104.34	8.42
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	104.34	8.42
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	136.33	12.63
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	207.89	21.05
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	366.28	32.84
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	459.66	53.05
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	619.38	69.89
05 15 16 00-0158		**Galvanized Steel, Closed Spelter Sockets** *(05 15 16)*		
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	53.01	2.53
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	53.32	2.53
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	53.32	2.53
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	62.57	4.21
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	62.57	4.21
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	91.36	7.58
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	91.36	7.58
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	116.40	10.94
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	171.29	16.84
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	260.43	26.10
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	342.19	35.36
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	436.27	47.15
05 15 16 00-0171		**Forged Steel, Jaw And Jaw Turnbuckles** *(05 15 16)*		
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	37.77	2.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-4.40*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	40.21	2.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-4.77*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	44.73	2.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-5.45*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	51.92	3.37
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-5.67*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	67.82	4.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-7.54*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	77.21	5.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	81.15	6.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-8.29*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	98.47	6.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-10.56*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	110.93	7.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-12.13*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	109.86	9.26
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-11.10*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	126.78	10.94
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-12.37*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	153.37	11.79
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-15.79*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	184.59	14.31
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-18.98*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	216.91	20.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-20.51*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	261.31	23.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.16*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	223.83	20.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-21.55*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	262.64	26.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-23.61*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	352.98	32.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-33.51*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	398.70	38.74
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.84*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	452.23	47.15
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-39.77*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	538.57	53.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-49.21*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	682.13	60.63
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-66.23*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	684.68	64.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-63.84*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	778.37	84.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-66.23*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,312.11	109.46
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-133.66*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,225.21	210.51
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-207.48*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	9.96
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	10.00
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	10.91
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	12.91
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	12.87
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	16.82
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.48
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	25.47
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	32.82
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	46.42
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	54.85
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	96.18
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	109.97
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	135.11

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	12.32
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	11.47
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	14.44
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	10.70
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	13.35
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	18.69
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	18.28
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.52
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.00
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.51
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	15.11
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	12.76
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	15.65
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	20.27
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.19
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.10
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.69
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	20.18
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.11
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.56
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.39
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.37	
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.35	
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.24	
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.99	
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.55	
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.25	
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.47	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.45	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.97	

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.37	0.06
		For >500, Deduct	*-0.06*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.49	0.07
		For >500, Deduct	*-0.08*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.69	0.08
		For >500, Deduct	*-0.11*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.94	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	1.20	0.08
		For >500, Deduct	*-0.21*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.81	0.08
		For >500, Deduct	*-0.14*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.95	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.12	0.08
		For >500, Deduct	*-0.19*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.52	0.08
		For >500, Deduct	*-0.28*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.31	0.08
		For >500, Deduct	*-0.42*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	3.49	0.17
		For >500, Deduct	*-0.63*	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.37	0.06
		For >500, Deduct	*-0.06*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.49	0.07
		For >500, Deduct	*-0.08*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.69	0.08
		For >500, Deduct	*-0.11*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.94	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	1.20	0.08
		For >500, Deduct	*-0.21*	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.81	0.08
		For >500, Deduct	*-0.14*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.95	0.08
		For >500, Deduct	*-0.16*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.12	0.08
		For >500, Deduct	*-0.19*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.52	0.08
		For >500, Deduct	*-0.28*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	2.31	0.08
		For >500, Deduct	*-0.42*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	3.49	0.08
		For >500, Deduct	*-0.63*	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.43	0.76
		For Walls >10' High, Add	*0.69*	
		For Curved Wall, Add	*0.53*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
		For 12" On Center, Add	*0.60*	
		For 24" On Center, Deduct	*-0.60*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.82	0.76
		For Walls >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.56*	
		For Up To 200, Add	*1.14*	
		For >200 To 500, Add	*0.57*	
		For 12" On Center, Add	*0.67*	
		For 24" On Center, Deduct	*-0.67*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.97	0.76
		For Walls >10' High, Add	*0.79*	
		For Curved Wall, Add	*0.59*	
		For Up To 200, Add	*1.18*	
		For >200 To 500, Add	*0.59*	
		For 12" On Center, Add	*0.70*	
		For 24" On Center, Deduct	*-0.70*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.96	0.84
		For Walls >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.61*	
		For Up To 200, Add	*1.40*	
		For >200 To 500, Add	*0.70*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.50	0.93
		For Walls >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.64*	
		For Up To 200, Add	*1.52*	
		For >200 To 500, Add	*0.76*	
		For 12" On Center, Add	*0.99*	
		For 24" On Center, Deduct	*-0.99*	
05 41 00 00-0007		16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.69	0.76
		For Walls >10' High, Add	*0.74*	
		For Curved Wall, Add	*0.56*	
		For Up To 200, Add	*1.11*	
		For >200 To 500, Add	*0.56*	
		For 12" On Center, Add	*0.64*	
		For 24" On Center, Deduct	*-0.64*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.22	0.77
		For Walls >10' High, Add	*0.84*	
		For Curved Wall, Add	*0.59*	
		For Up To 200, Add	*1.24*	
		For >200 To 500, Add	*0.62*	
		For 12" On Center, Add	*0.75*	
		For 24" On Center, Deduct	*-0.75*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.45	0.77
		For Walls >10' High, Add	*0.89*	
		For Curved Wall, Add	*0.62*	
		For Up To 200, Add	*1.30*	
		For >200 To 500, Add	*0.65*	
		For 12" On Center, Add	*0.79*	
		For 24" On Center, Deduct	*-0.79*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.52	0.93
		For Walls >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.65*	
		For Up To 200, Add	*1.53*	
		For >200 To 500, Add	*0.77*	
		For 12" On Center, Add	*1.00*	
		For 24" On Center, Deduct	*-1.00*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.05	1.01
		For Walls >10' High, Add	*1.21*	
		For Curved Wall, Add	*0.68*	
		For Up To 200, Add	*1.66*	
		For >200 To 500, Add	*0.83*	
		For 12" On Center, Add	*1.10*	
		For 24" On Center, Deduct	*-1.10*	
05 41 00 00-0013		14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.01	1.06
		For Walls >10' High, Add	*1.00*	
		For Curved Wall, Add	*0.71*	
		For Up To 200, Add	*1.47*	
		For >200 To 500, Add	*0.74*	
		For 12" On Center, Add	*0.88*	
		For 24" On Center, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.15	1.08
		For Walls >10' High, Add	*1.03*	
		For Curved Wall, Add	*0.72*	
		For Up To 200, Add	*1.51*	
		For >200 To 500, Add	*0.76*	
		For 12" On Center, Add	*0.91*	
		For 24" On Center, Deduct	*-0.91*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.35	1.14
		For Walls >10' High, Add	*1.27*	
		For Curved Wall, Add	*0.76*	
		For Up To 200, Add	*1.77*	
		For >200 To 500, Add	*0.89*	
		For 12" On Center, Add	*1.14*	
		For 24" On Center, Deduct	*-1.14*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.94	1.19
		For Walls >10' High, Add	*1.39*	
		For Curved Wall, Add	*0.79*	
		For Up To 200, Add	*1.92*	
		For >200 To 500, Add	*0.96*	
		For 12" On Center, Add	*1.26*	
		For 24" On Center, Deduct	*-1.26*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 33 Cold-Formed Metal Joist Framing *(05 42)*

05 42 33 00-0001 Steel Joists, 20 Gauge *(05 42 33)*

05 42 33 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	6.99	1.83
05 42 33 00-0003	LF	6" - 20 Gauge Steel Joists	7.72	2.29
05 42 33 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	8.36	2.51
05 42 33 00-0005	LF	8" - 20 Gauge Steel Joists	9.33	2.67

05 42 33 00-0006 Steel Joists, 18 Gauge *(05 42 33)*

05 42 33 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	7.78	2.03
05 42 33 00-0008	LF	6" - 18 Gauge Steel Joists	8.62	2.54
05 42 33 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	9.35	2.79
05 42 33 00-0010	LF	8" - 18 Gauge Steel Joists	9.65	2.97

05 42 33 00-0011 Steel Joists, 16 Gauge *(05 42 33)*

05 42 33 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	10.05	2.81
05 42 33 00-0013	LF	8" - 16 Gauge Steel Joists	10.61	2.97

05 42 33 00-0014 Steel Joists, 14 Gauge *(05 42 33)*

05 42 33 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	11.86	2.97
05 42 33 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	12.86	3.13

05 42 33 00-0017 Steel Joists, 12 Gauge *(05 42 33)*

05 42 33 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	14.05	3.27
05 42 33 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	15.32	3.45

05 42 33 00-0020 Steel Joists, 10 Gauge *(05 42 33)*

05 42 33 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	16.26	3.60
05 42 33 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	17.84	3.79

05 42 33 00-0023 Steel Joists, 8 Gauge *(05 42 33)*

05 42 33 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	18.55	3.96
05 42 33 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	20.37	4.17

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Unistrut Channel *(05 43)*

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.30	1.90
		For Powder Coating, Add	*0.68*	
		For Galvanizing, Add	*0.77*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.52	1.90
		For Powder Coating, Add	*0.71*	
		For Galvanizing, Add	*0.80*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.86	1.90
		For Powder Coating, Add	*0.76*	
		For Galvanizing, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.87	1.90
		For Powder Coating, Add	*0.61*	
		For Galvanizing, Add	*0.69*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	6.91	1.90
		For Powder Coating, Add	*0.47*	
		For Galvanizing, Add	*0.53*	
05 43 00 00-0008		Stainless Steel Unistrut Channel *(05 43 00 00-0001)*		
05 43 00 00-0009		304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*		
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	16.02	1.90
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	19.00	1.90
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	18.26	1.90
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.87	1.90
05 43 00 00-0014		316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*		
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	25.70	1.90
05 43 00 00-0016		Unistrut Closure Strips *(05 43)*		
05 43 00 00-0017	LF	Raceway Closure Strip For Unistrut Channel	4.23	0.42
05 43 00 00-0018		Lock Nuts With Spring For Unistrut Channel *(05 43)*		
		Note: Includes hex bolt.		
05 43 00 00-0019		Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*		
		Note: Includes hex bolt.		
05 43 00 00-0020	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.52	
05 43 00 00-0021	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	5.98	
05 43 00 00-0022	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.33	
05 43 00 00-0023	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	8.21	
05 43 00 00-0024		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*		
		Note: Includes hex bolt.		
05 43 00 00-0025	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	9.82	
05 43 00 00-0026	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.37	
05 43 00 00-0027	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.12	
05 43 00 00-0028	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.21	
05 43 00 00-0029		Lock Nuts Without Spring For Unistrut Channel *(05 43)*		
		Note: Includes hex bolt.		
05 43 00 00-0030		Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*		
		Note: Includes hex bolt.		
05 43 00 00-0031	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.53	
05 43 00 00-0032	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.05	
05 43 00 00-0033	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.36	
05 43 00 00-0034	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	8.76	
05 43 00 00-0035		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*		
		Note: Includes hex bolt.		
05 43 00 00-0036	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.41	
05 43 00 00-0037	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.66	
05 43 00 00-0038	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.32	
05 43 00 00-0039	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	22.65	
05 43 00 00-0040		Beam Clamp For Unistrut Channel *(05 43)*		
05 43 00 00-0041	EA	Unistrut Beam Clamp, 1-5/8" Channel P2675	16.25	6.31
05 43 00 00-0042	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676	19.61	6.31
05 43 00 00-0043	EA	Add For Unistrut Swivel Nut, P2676	1.83	
05 43 00 00-0044		Beam Clamp Clevis Hangers *(05 43)*		
05 43 00 00-0045	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.42	6.31
05 43 00 00-0046	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.10	6.31
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut	1.83	
05 43 00 00-0048	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	97.69	8.42

05 45 Metal Support Assemblies *(05 40)*

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		MINOR		

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	552.30	24.44
		For Closed Riser, Add	*62.93*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	628.25	28.50
		For Closed Riser, Add	*71.48*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	701.25	33.39
		For Closed Riser, Add	*79.57*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	73.97	4.07

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	276.52	32.58
		For Closed Riser, Add	*32.36*	
		For Galvanized Steel, Add	*52.84*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	296.37	37.47
		For Closed Riser, Add	*34.41*	
		For Galvanized Steel, Add	*55.36*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	329.53	43.99
		For Closed Riser, Add	*38.00*	
		For Galvanized Steel, Add	*60.39*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	52.52	4.07
		For Galvanized Steel, Add	*9.06*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed	77.00	9.77
		For Galvanized Steel, Add	*11.58*	
		For Aluminum, Add	*23.17*	
05 51 33 13-0003	VLF	24" Wide Vertical Steel Ladder Primed	88.73	9.77
		For Galvanized Steel, Add	*14.52*	
		For Aluminum, Add	*29.03*	
05 51 33 13-0004	VLF	20" Wide Vertical Steel Caged Ladder Primed	186.50	16.29
		For Galvanized Steel, Add	*33.65*	
		For Aluminum, Add	*67.29*	
05 51 33 13-0005	VLF	24" Wide Vertical Steel Caged Ladder Primed	209.97	16.29
		For Galvanized Steel, Add	*39.51*	
		For Aluminum, Add	*79.03*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	208.11	30.54
		For Galvanized Steel, Add	*36.76*	
		For Aluminum, Add	*73.51*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	227.31	32.58
		For Galvanized Steel, Add	*40.54*	
		For Aluminum, Add	*81.08*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	290.61	10.18
05 51 33 13-0010	EA	6' Security Ladder Guard	644.29	61.09
05 51 33 13-0011	EA	8' Security Ladder Guard	769.52	71.27
05 51 33 13-0012	EA	Safety Chain Attachment	115.74	

05 51 33 13-0013 Welded Steel Ladder Cages *(05 51 33 13)*

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,195.02	122.17
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,294.39	126.25
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,373.94	130.32
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,458.77	134.40
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,509.22	138.47
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,590.09	142.54
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,661.70	146.61
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,754.47	150.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,844.58	154.76
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,918.84	158.83
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,008.97	162.90
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,096.44	166.98
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,182.60	171.05
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,337.51	175.13
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,385.32	179.19
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,466.18	183.26
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,540.44	187.34
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,609.40	191.41
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,760.35	195.49
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,842.55	199.55
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,919.44	203.63

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,758.46	122.17
05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,944.56	126.25
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,253.09	130.32
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,406.37	134.40
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,535.67	138.47
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,706.63	142.54
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,012.63	146.61
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,168.44	150.69
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,329.30	154.76
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,505.31	158.83
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,817.62	162.90
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,974.69	166.98
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,124.20	171.05
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,370.87	175.13
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,647.85	179.19
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,802.39	183.26
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,960.73	187.34
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,108.97	191.41
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,486.91	195.49
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,635.16	199.55
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,787.18	203.63

05 51 33 16 Inclined Metal Ladders *(05 51 33)*

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	207.97	40.73
		For Aluminum, Add	*63.26*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,322.70	122.17
		For Stainless Steel, Add	*196.80*	
		For Primed Steel, Deduct	*-191.42*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,505.24	129.51
		For Stainless Steel, Add	*240.90*	
		For Primed Steel, Deduct	*-223.30*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,656.78	129.51
		For Stainless Steel, Add	*288.67*	
		For Primed Steel, Deduct	*-241.55*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,905.54	162.74
		For Stainless Steel, Add	*347.24*	
		For Primed Steel, Deduct	*-256.61*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,082.14	168.51
		For Stainless Steel, Add	*388.99*	
		For Primed Steel, Deduct	*-298.53*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,216.04	168.51
		For Stainless Steel, Add	*453.51*	
		For Primed Steel, Deduct	*-293.53*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	2,436.47	187.96
		For Stainless Steel, Add	*497.40*	
		For Primed Steel, Deduct	*-327.55*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	2,586.49	187.96
		For Stainless Steel, Add	*546.61*	
		For Primed Steel, Deduct	*-347.07*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	2,703.22	187.96
		For Stainless Steel, Add	*623.99*	
		For Primed Steel, Deduct	*-346.65*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe And Tube Railings *(05 52)*

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0001		Welded Steel Pipe Railing *(05 52 13)* Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002		One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)* Note: Includes factory primed posts and one rail.		
05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	33.96	8.15
		For Schedule 80 Handrail, Add	*2.56*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.83*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.89*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*7.42*	
		For Aluminum, Clear Anodized Finish, Add	*11.49*	
		For Aluminum, Dark Anodized Finish, Add	*13.25*	
		For Galvanizing, Add	*7.07*	
		For Wrought Iron, Add	*3.40*	
		For Solid Steel Rails, Add	*6.79*	
		For 304 Stainless Steel, Add	*56.54*	
		For 316 Stainless Steel, Add	*63.61*	
		For 2" Wheel Guard, Add	*1.68*	
		For 4" High Kick Plate, Add	*2.21*	
		For 6" High Kick Plate, Add	*3.53*	
		For Curved Rail, Add	*15.49*	
		For Mounting On Stairs, Add	*4.21*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*12.91*	
		For Nylon Coating, Add	*2.65*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	37.01	8.15
		For Schedule 80 Handrail, Add	*3.63*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.56*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.18*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.84*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.08*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*8.70*	
		For Aluminum, Clear Anodized Finish, Add	*13.47*	
		For Aluminum, Dark Anodized Finish, Add	*15.54*	
		For Galvanizing, Add	*8.29*	
		For Wrought Iron, Add	*3.70*	
		For Solid Steel Rails, Add	*7.40*	
		For 304 Stainless Steel, Add	*66.30*	
		For 316 Stainless Steel, Add	*74.59*	
		For 2" Wheel Guard, Add	*1.97*	
		For 4" High Kick Plate, Add	*2.59*	
		For 6" High Kick Plate, Add	*4.14*	
		For Curved Rail, Add	*17.32*	
		For Mounting On Stairs, Add	*4.52*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*14.43*	
		For Nylon Coating, Add	*3.11*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.05	8.15
		For Schedule 80 Handrail, Add	*3.63*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.23*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.84*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.27*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*9.98*	
		For Aluminum, Clear Anodized Finish, Add	*15.44*	
		For Aluminum, Dark Anodized Finish, Add	*17.82*	
		For Galvanizing, Add	*9.50*	
		For Wrought Iron, Add	*4.01*	
		For Solid Steel Rails, Add	*8.01*	
		For 304 Stainless Steel, Add	*76.03*	
		For 316 Stainless Steel, Add	*85.54*	
		For 2" Wheel Guard, Add	*2.26*	
		For 4" High Kick Plate, Add	*2.97*	
		For 6" High Kick Plate, Add	*4.75*	
		For Curved Rail, Add	*19.14*	
		For Mounting On Stairs, Add	*4.82*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*15.95*	
		For Nylon Coating, Add	*3.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	45.33	8.15
		For Schedule 80 Handrail, Add	*4.06*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.39*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.58*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.33*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*12.20*	
		For Aluminum, Clear Anodized Finish, Add	*18.88*	
		For Aluminum, Dark Anodized Finish, Add	*21.78*	
		For Galvanizing, Add	*11.62*	
		For Wrought Iron, Add	*4.53*	
		For Solid Steel Rails, Add	*9.07*	
		For 304 Stainless Steel, Add	*92.93*	
		For 316 Stainless Steel, Add	*104.54*	
		For 2" Wheel Guard, Add	*2.76*	
		For 4" High Kick Plate, Add	*3.63*	
		For 6" High Kick Plate, Add	*5.81*	
		For Curved Rail, Add	*22.31*	
		For Mounting On Stairs, Add	*5.35*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.59*	
		For Nylon Coating, Add	*4.36*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	51.66	8.15
		For Schedule 80 Handrail, Add	*4.50*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.84*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.67*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.79*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*14.86*	
		For Aluminum, Clear Anodized Finish, Add	*22.99*	
		For Aluminum, Dark Anodized Finish, Add	*26.53*	
		For Galvanizing, Add	*14.15*	
		For Wrought Iron, Add	*5.17*	
		For Solid Steel Rails, Add	*10.33*	
		For 304 Stainless Steel, Add	*113.18*	
		For 316 Stainless Steel, Add	*127.33*	
		For 2" Wheel Guard, Add	*3.36*	
		For 4" High Kick Plate, Add	*4.42*	
		For 6" High Kick Plate, Add	*7.07*	
		For Curved Rail, Add	*26.11*	
		For Mounting On Stairs, Add	*5.98*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.76*	
		For Nylon Coating, Add	*5.31*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	38.38	8.15
		For Schedule 80 Handrail, Add	*2.56*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.86*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.52*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.29*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.62*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*9.28*	
		For Aluminum, Clear Anodized Finish, Add	*14.36*	
		For Aluminum, Dark Anodized Finish, Add	*16.57*	
		For Galvanizing, Add	*8.84*	
		For Wrought Iron, Add	*3.84*	
		For Solid Steel Rails, Add	*7.68*	
		For 304 Stainless Steel, Add	*70.69*	
		For 316 Stainless Steel, Add	*79.52*	
		For 2" Wheel Guard, Add	*2.10*	
		For 4" High Kick Plate, Add	*2.76*	
		For 6" High Kick Plate, Add	*4.42*	
		For Curved Rail, Add	*18.14*	
		For Mounting On Stairs, Add	*4.65*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*15.12*	
		For Nylon Coating, Add	*3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	42.18	8.15
		For Schedule 80 Handrail, Add	*3.63*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.70*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.47*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.54*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*10.87*	
		For Aluminum, Clear Anodized Finish, Add	*16.83*	
		For Aluminum, Dark Anodized Finish, Add	*19.42*	
		For Galvanizing, Add	*10.36*	
		For Wrought Iron, Add	*4.22*	
		For Solid Steel Rails, Add	*8.44*	
		For 304 Stainless Steel, Add	*82.85*	
		For 316 Stainless Steel, Add	*93.20*	
		For 2" Wheel Guard, Add	*2.46*	
		For 4" High Kick Plate, Add	*3.24*	
		For 6" High Kick Plate, Add	*5.18*	
		For Curved Rail, Add	*20.42*	
		For Mounting On Stairs, Add	*5.03*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*17.02*	
		For Nylon Coating, Add	*3.88*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	45.99	8.15
		For Schedule 80 Handrail, Add	*3.63*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.53*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.43*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.58*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*12.47*	
		For Aluminum, Clear Anodized Finish, Add	*19.31*	
		For Aluminum, Dark Anodized Finish, Add	*22.28*	
		For Galvanizing, Add	*11.88*	
		For Wrought Iron, Add	*4.60*	
		For Solid Steel Rails, Add	*9.20*	
		For 304 Stainless Steel, Add	*95.04*	
		For 316 Stainless Steel, Add	*106.92*	
		For 2" Wheel Guard, Add	*2.82*	
		For 4" High Kick Plate, Add	*3.71*	
		For 6" High Kick Plate, Add	*5.94*	
		For Curved Rail, Add	*22.71*	
		For Mounting On Stairs, Add	*5.41*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.92*	
		For Nylon Coating, Add	*4.46*	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	52.59	8.15
		For Schedule 80 Handrail, Add	*4.06*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.99*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.08*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-14.16*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*15.25*	
		For Aluminum, Clear Anodized Finish, Add	*23.60*	
		For Aluminum, Dark Anodized Finish, Add	*27.23*	
		For Galvanizing, Add	*14.52*	
		For Wrought Iron, Add	*5.26*	
		For Solid Steel Rails, Add	*10.52*	
		For 304 Stainless Steel, Add	*116.16*	
		For 316 Stainless Steel, Add	*130.68*	
		For 2" Wheel Guard, Add	*3.45*	
		For 4" High Kick Plate, Add	*4.54*	
		For 6" High Kick Plate, Add	*7.26*	
		For Curved Rail, Add	*26.67*	
		For Mounting On Stairs, Add	*6.07*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*22.22*	
		For Nylon Coating, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	60.50	8.15
		For Schedule 80 Handrail, Add	*4.50*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.73*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.05*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.59*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.24*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.75*	
		For Aluminum, Satin Finish, Add	*18.57*	
		For Aluminum, Clear Anodized Finish, Add	*28.74*	
		For Aluminum, Dark Anodized Finish, Add	*33.16*	
		For Galvanizing, Add	*17.68*	
		For Wrought Iron, Add	*6.05*	
		For Solid Steel Rails, Add	*12.10*	
		For 304 Stainless Steel, Add	*141.47*	
		For 316 Stainless Steel, Add	*159.16*	
		For 2" Wheel Guard, Add	*4.20*	
		For 4" High Kick Plate, Add	*5.53*	
		For 6" High Kick Plate, Add	*8.84*	
		For Curved Rail, Add	*31.41*	
		For Mounting On Stairs, Add	*6.86*	
		For Mounting On Slopes, Add	*1.63*	
		For Post Base Flange With Screws, Add Per Post	*19.13*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.94*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.18*	
		For Nylon Coating, Add	*6.63*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	51.12	9.77
		For Schedule 80 Handrail, Add	*3.82*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.95*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.89*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.42*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.31*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.40*	
		For Aluminum, Satin Finish, Add	*13.26*	
		For Aluminum, Clear Anodized Finish, Add	*20.52*	
		For Aluminum, Dark Anodized Finish, Add	*23.68*	
		For Galvanizing, Add	*12.63*	
		For Wrought Iron, Add	*5.11*	
		For Solid Steel Rails, Add	*10.22*	
		For 304 Stainless Steel, Add	*101.02*	
		For 316 Stainless Steel, Add	*113.65*	
		For 2" Wheel Guard, Add	*3.00*	
		For 4" High Kick Plate, Add	*3.95*	
		For 6" High Kick Plate, Add	*6.31*	
		For Curved Rail, Add	*24.81*	
		For Mounting On Stairs, Add	*6.09*	
		For Mounting On Slopes, Add	*1.96*	
		For Post Base Flange With Screws, Add Per Post	*19.46*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.43*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*20.67*	
		For Nylon Coating, Add	*4.74*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	56.56	9.77
		For Schedule 80 Handrail, Add	*5.25*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.14*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.25*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.21*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-14.43*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.40*	
		For Aluminum, Satin Finish, Add	*15.54*	
		For Aluminum, Clear Anodized Finish, Add	*24.06*	
		For Aluminum, Dark Anodized Finish, Add	*27.76*	
		For Galvanizing, Add	*14.80*	
		For Wrought Iron, Add	*5.66*	
		For Solid Steel Rails, Add	*11.31*	
		For 304 Stainless Steel, Add	*118.43*	
		For 316 Stainless Steel, Add	*133.24*	
		For 2" Wheel Guard, Add	*3.52*	
		For 4" High Kick Plate, Add	*4.63*	
		For 6" High Kick Plate, Add	*7.40*	
		For Curved Rail, Add	*28.07*	
		For Mounting On Stairs, Add	*6.63*	
		For Mounting On Slopes, Add	*1.96*	
		For Post Base Flange With Screws, Add Per Post	*19.46*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.43*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*23.39*	
		For Nylon Coating, Add	*5.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	62.00	9.77
		For Schedule 80 Handrail, Add	*5.25*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.34*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.61*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.01*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-16.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.40*	
		For Aluminum, Satin Finish, Add	*17.83*	
		For Aluminum, Clear Anodized Finish, Add	*27.59*	
		For Aluminum, Dark Anodized Finish, Add	*31.84*	
		For Galvanizing, Add	*16.98*	
		For Wrought Iron, Add	*6.20*	
		For Solid Steel Rails, Add	*12.40*	
		For 304 Stainless Steel, Add	*135.84*	
		For 316 Stainless Steel, Add	*152.82*	
		For 2" Wheel Guard, Add	*4.03*	
		For 4" High Kick Plate, Add	*5.31*	
		For 6" High Kick Plate, Add	*8.49*	
		For Curved Rail, Add	*31.34*	
		For Mounting On Stairs, Add	*7.18*	
		For Mounting On Slopes, Add	*1.96*	
		For Post Base Flange With Screws, Add Per Post	*19.46*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.43*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.11*	
		For Nylon Coating, Add	*6.37*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	71.45	9.77
		For Schedule 80 Handrail, Add	*5.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.42*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.13*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.24*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.40*	
		For Aluminum, Satin Finish, Add	*21.80*	
		For Aluminum, Clear Anodized Finish, Add	*33.74*	
		For Aluminum, Dark Anodized Finish, Add	*38.93*	
		For Galvanizing, Add	*20.76*	
		For Wrought Iron, Add	*7.15*	
		For Solid Steel Rails, Add	*14.29*	
		For 304 Stainless Steel, Add	*166.08*	
		For 316 Stainless Steel, Add	*186.84*	
		For 2" Wheel Guard, Add	*4.93*	
		For 4" High Kick Plate, Add	*6.49*	
		For 6" High Kick Plate, Add	*10.38*	
		For Curved Rail, Add	*37.01*	
		For Mounting On Stairs, Add	*8.12*	
		For Mounting On Slopes, Add	*1.96*	
		For Post Base Flange With Screws, Add Per Post	*19.46*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.43*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*30.84*	
		For Nylon Coating, Add	*7.79*	
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	82.70	9.77
		For Schedule 80 Handrail, Add	*6.41*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.84*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.63*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.40*	
		For Aluminum, Satin Finish, Add	*26.52*	
		For Aluminum, Clear Anodized Finish, Add	*41.05*	
		For Aluminum, Dark Anodized Finish, Add	*47.36*	
		For Galvanizing, Add	*25.26*	
		For Wrought Iron, Add	*8.27*	
		For Solid Steel Rails, Add	*16.54*	
		For 304 Stainless Steel, Add	*202.08*	
		For 316 Stainless Steel, Add	*227.34*	
		For 2" Wheel Guard, Add	*6.00*	
		For 4" High Kick Plate, Add	*7.89*	
		For 6" High Kick Plate, Add	*12.63*	
		For Curved Rail, Add	*43.76*	
		For Mounting On Stairs, Add	*9.25*	
		For Mounting On Slopes, Add	*1.96*	
		For Post Base Flange With Screws, Add Per Post	*19.46*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.43*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*36.46*	
		For Nylon Coating, Add	*9.47*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	61.56	11.40
		For Schedule 80 Handrail, Add	*5.30*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.53*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.79*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.11*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.05*	
		For Aluminum, Satin Finish, Add	*16.28*	
		For Aluminum, Clear Anodized Finish, Add	*25.19*	
		For Aluminum, Dark Anodized Finish, Add	*29.06*	
		For Galvanizing, Add	*15.50*	
		For Wrought Iron, Add	*6.16*	
		For Solid Steel Rails, Add	*12.31*	
		For 304 Stainless Steel, Add	*124.00*	
		For 316 Stainless Steel, Add	*139.50*	
		For 2" Wheel Guard, Add	*3.68*	
		For 4" High Kick Plate, Add	*4.84*	
		For 6" High Kick Plate, Add	*7.75*	
		For Curved Rail, Add	*30.09*	
		For Mounting On Stairs, Add	*7.30*	
		For Mounting On Slopes, Add	*2.28*	
		For Post Base Flange With Screws, Add Per Post	*19.78*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.92*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*25.08*	
		For Nylon Coating, Add	*5.81*	
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	66.39	11.40
		For Schedule 80 Handrail, Add	*7.08*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.59*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.90*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.38*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.00*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.05*	
		For Aluminum, Satin Finish, Add	*18.30*	
		For Aluminum, Clear Anodized Finish, Add	*28.33*	
		For Aluminum, Dark Anodized Finish, Add	*32.69*	
		For Galvanizing, Add	*17.43*	
		For Wrought Iron, Add	*6.64*	
		For Solid Steel Rails, Add	*13.28*	
		For 304 Stainless Steel, Add	*139.46*	
		For 316 Stainless Steel, Add	*156.89*	
		For 2" Wheel Guard, Add	*4.14*	
		For 4" High Kick Plate, Add	*5.45*	
		For 6" High Kick Plate, Add	*8.72*	
		For Curved Rail, Add	*32.99*	
		For Mounting On Stairs, Add	*7.78*	
		For Mounting On Slopes, Add	*2.28*	
		For Post Base Flange With Screws, Add Per Post	*19.78*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.92*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*27.49*	
		For Nylon Coating, Add	*6.54*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	71.22	11.40
		For Schedule 80 Handrail, Add	*7.08*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.65*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.10*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.88*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.05*	
		For Aluminum, Satin Finish, Add	*20.33*	
		For Aluminum, Clear Anodized Finish, Add	*31.47*	
		For Aluminum, Dark Anodized Finish, Add	*36.31*	
		For Galvanizing, Add	*19.36*	
		For Wrought Iron, Add	*7.12*	
		For Solid Steel Rails, Add	*14.24*	
		For 304 Stainless Steel, Add	*154.91*	
		For 316 Stainless Steel, Add	*174.28*	
		For 2" Wheel Guard, Add	*4.60*	
		For 4" High Kick Plate, Add	*6.05*	
		For 6" High Kick Plate, Add	*9.68*	
		For Curved Rail, Add	*35.89*	
		For Mounting On Stairs, Add	*8.26*	
		For Mounting On Slopes, Add	*2.28*	
		For Post Base Flange With Screws, Add Per Post	*19.78*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.92*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*29.91*	
		For Nylon Coating, Add	*7.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	81.97	11.40
		For Schedule 80 Handrail, Add	*7.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.52*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-23.07*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.05*	
		For Aluminum, Satin Finish, Add	*24.85*	
		For Aluminum, Clear Anodized Finish, Add	*38.45*	
		For Aluminum, Dark Anodized Finish, Add	*44.37*	
		For Galvanizing, Add	*23.66*	
		For Wrought Iron, Add	*8.20*	
		For Solid Steel Rails, Add	*16.39*	
		For 304 Stainless Steel, Add	*189.31*	
		For 316 Stainless Steel, Add	*212.98*	
		For 2" Wheel Guard, Add	*5.62*	
		For 4" High Kick Plate, Add	*7.40*	
		For 6" High Kick Plate, Add	*11.83*	
		For Curved Rail, Add	*42.34*	
		For Mounting On Stairs, Add	*9.34*	
		For Mounting On Slopes, Add	*2.28*	
		For Post Base Flange With Screws, Add Per Post	*19.78*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.92*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*35.28*	
		For Nylon Coating, Add	*8.87*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	94.57	11.40
		For Schedule 80 Handrail, Add	*8.53*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.79*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.68*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-27.99*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.05*	
		For Aluminum, Satin Finish, Add	*30.14*	
		For Aluminum, Clear Anodized Finish, Add	*46.64*	
		For Aluminum, Dark Anodized Finish, Add	*53.82*	
		For Galvanizing, Add	*28.70*	
		For Wrought Iron, Add	*9.46*	
		For Solid Steel Rails, Add	*18.91*	
		For 304 Stainless Steel, Add	*229.63*	
		For 316 Stainless Steel, Add	*258.34*	
		For 2" Wheel Guard, Add	*6.82*	
		For 4" High Kick Plate, Add	*8.97*	
		For 6" High Kick Plate, Add	*14.35*	
		For Curved Rail, Add	*49.90*	
		For Mounting On Stairs, Add	*10.60*	
		For Mounting On Slopes, Add	*2.28*	
		For Post Base Flange With Screws, Add Per Post	*19.78*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.92*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*41.58*	
		For Nylon Coating, Add	*10.76*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.67
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.14
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.56
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	14.47

05 52 13 00-0032 Perforated Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	7.52
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	7.77
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	8.32
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	16.70

05 52 13 00-0037 Expanded Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	3.39
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	6.93
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	9.10
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	13.57

05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.12	4.89
		For Schedule 80 Handrail, Add	*1.60*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.72*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.23*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.59*	
		For Stainless Steel, Add	*33.82*	
		For Aluminum, Satin Finish, Add	*7.10*	
		For Curved Rail, Add	*8.74*	
		For Aluminum, Clear Anodized Finish, Add	*10.99*	
		For Aluminum, Dark Anodized Finish, Add	*12.68*	
		For Galvanized Finish, Add	*5.07*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.66	4.89
		For Schedule 80 Handrail, Add	*1.77*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.84*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.36*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.76*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.81*	
		For Stainless Steel, Add	*34.90*	
		For Aluminum, Satin Finish, Add	*7.33*	
		For Curved Rail, Add	*8.90*	
		For Aluminum, Clear Anodized Finish, Add	*11.34*	
		For Aluminum, Dark Anodized Finish, Add	*13.09*	
		For Galvanized Finish, Add	*5.24*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.21	4.89
		For Schedule 80 Handrail, Add	*4.15*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.96*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.50*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.94*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.02*	
		For Stainless Steel, Add	*36.00*	
		For Aluminum, Satin Finish, Add	*7.56*	
		For Curved Rail, Add	*9.06*	
		For Aluminum, Clear Anodized Finish, Add	*11.70*	
		For Aluminum, Dark Anodized Finish, Add	*13.50*	
		For Galvanized Finish, Add	*5.40*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.48	4.89
		For Schedule 80 Handrail, Add	*2.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.34*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.07*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.01*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.47*	
		For Stainless Steel, Add	*48.54*	
		For Aluminum, Satin Finish, Add	*10.19*	
		For Curved Rail, Add	*10.94*	
		For Aluminum, Clear Anodized Finish, Add	*15.78*	
		For Aluminum, Dark Anodized Finish, Add	*18.20*	
		For Galvanized Finish, Add	*7.28*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.66	4.89
		For Schedule 80 Handrail, Add	*2.24*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.48*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.36*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.72*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.49*	
		For Stainless Steel, Add	*58.90*	
		For Aluminum, Satin Finish, Add	*12.37*	
		For Curved Rail, Add	*12.50*	
		For Aluminum, Clear Anodized Finish, Add	*19.14*	
		For Aluminum, Dark Anodized Finish, Add	*22.09*	
		For Galvanized Finish, Add	*8.84*	

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	35.53	5.13
		For Schedule 80 Handrail, Add	*1.60*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.13*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.83*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.09*	
		For Stainless Steel, Add	*46.64*	
		For Aluminum, Satin Finish, Add	*9.79*	
		For Curved Rail, Add	*10.66*	
		For Aluminum, Clear Anodized Finish, Add	*15.16*	
		For Aluminum, Dark Anodized Finish, Add	*17.49*	
		For Galvanized Finish, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.29	5.13
		For Schedule 80 Handrail, Add	*1.77*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.30*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.02*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.95*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.39*	
		For Stainless Steel, Add	*48.16*	
		For Aluminum, Satin Finish, Add	*10.11*	
		For Curved Rail, Add	*10.89*	
		For Aluminum, Clear Anodized Finish, Add	*15.65*	
		For Aluminum, Dark Anodized Finish, Add	*18.06*	
		For Galvanized Finish, Add	*7.22*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.86	5.13
		For Schedule 80 Handrail, Add	*4.15*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.42*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.16*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.13*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.61*	
		For Stainless Steel, Add	*49.30*	
		For Aluminum, Satin Finish, Add	*10.35*	
		For Curved Rail, Add	*11.06*	
		For Aluminum, Clear Anodized Finish, Add	*16.02*	
		For Aluminum, Dark Anodized Finish, Add	*18.49*	
		For Galvanized Finish, Add	*7.40*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	45.62	5.13
		For Schedule 80 Handrail, Add	*2.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.35*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.35*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.03*	
		For Stainless Steel, Add	*66.82*	
		For Aluminum, Satin Finish, Add	*14.03*	
		For Curved Rail, Add	*13.69*	
		For Aluminum, Clear Anodized Finish, Add	*21.72*	
		For Aluminum, Dark Anodized Finish, Add	*25.06*	
		For Galvanized Finish, Add	*10.02*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	51.35	5.13
		For Schedule 80 Handrail, Add	*2.24*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.61*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.92*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.26*	
		For Stainless Steel, Add	*78.28*	
		For Aluminum, Satin Finish, Add	*16.44*	
		For Curved Rail, Add	*15.41*	
		For Aluminum, Clear Anodized Finish, Add	*25.44*	
		For Aluminum, Dark Anodized Finish, Add	*29.36*	
		For Galvanized Finish, Add	*11.74*	

05 52 13 00-0054 Remove/Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	18.33
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	23.95
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	41.31
		For Stainless Steel, Add	*33.74*

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	7.51	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*0.97*	
		For 304 Stainless Steel, Add	*18.36*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*1.67*	
		For Crossbars At 2" O.C., Add	*0.62*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.34*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	9.88	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.38*	
		For 304 Stainless Steel, Add	*25.97*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.36*	
		For Crossbars At 2" O.C., Add	*0.87*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	9.03	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.23*	
		For 304 Stainless Steel, Add	*23.24*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.11*	
		For Crossbars At 2" O.C., Add	*0.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.38*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	12.25	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.78*	
		For 304 Stainless Steel, Add	*33.58*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.05*	
		For Crossbars At 2" O.C., Add	*1.13*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.46*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	15.47	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.33*	
		For 304 Stainless Steel, Add	*43.91*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.99*	
		For Crossbars At 2" O.C., Add	*1.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.54*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	10.57	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.49*	
		For 304 Stainless Steel, Add	*28.18*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.56*	
		For Crossbars At 2" O.C., Add	*0.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.42*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	14.48	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.16*	
		For 304 Stainless Steel, Add	*40.73*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.71*	
		For Crossbars At 2" O.C., Add	*1.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.52*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	12.11	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.75*	
		For 304 Stainless Steel, Add	*33.13*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.01*	
		For Crossbars At 2" O.C., Add	*1.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.46*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	17.25	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.56*	
		For 304 Stainless Steel, Add	*48.31*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.39*	
		For Crossbars At 2" O.C., Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.85*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	22.14	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.39*	
		For 304 Stainless Steel, Add	*64.01*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.82*	
		For Crossbars At 2" O.C., Add	*2.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.97*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	19.63	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.96*	
		For 304 Stainless Steel, Add	*55.95*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.09*	
		For Crossbars At 2" O.C., Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	21.87	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*63.14*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.74*	
		For Crossbars At 2" O.C., Add	*2.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.97*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	24.24	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*70.75*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.44*	
		For Crossbars At 2" O.C., Add	*2.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.03*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	26.47	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.13*	
		For 304 Stainless Steel, Add	*77.91*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.09*	
		For Crossbars At 2" O.C., Add	*2.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.08*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	13.72	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.96*	
		For 304 Stainless Steel, Add	*22.32*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.48*	
		For Crossbars At 2" O.C., Add	*1.29*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.50*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	16.77	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.46*	
		For 304 Stainless Steel, Add	*28.03*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.37*	
		For Crossbars At 2" O.C., Add	*1.62*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.57*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	15.03	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.17*	
		For 304 Stainless Steel, Add	*24.77*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.87*	
		For Crossbars At 2" O.C., Add	*1.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.53*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	20.26	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*34.56*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*26.78*	
		For Bearing Bars At 15/16" O.C., Add	*5.39*	
		For Crossbars At 2" O.C., Add	*1.99*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.66*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	16.77	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.46*	
		For 304 Stainless Steel, Add	*28.03*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.37*	
		For Crossbars At 2" O.C., Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	22.68	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.43*	
		For 304 Stainless Steel, Add	*39.09*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.10*	
		For Crossbars At 2" O.C., Add	*2.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.72*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	18.60	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.76*	
		For 304 Stainless Steel, Add	*31.45*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.91*	
		For Crossbars At 2" O.C., Add	*1.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.62*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	25.63	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.84*	
		For 304 Stainless Steel, Add	*43.84*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*33.97*	
		For Bearing Bars At 15/16" O.C., Add	*6.84*	
		For Crossbars At 2" O.C., Add	*2.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.06*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	28.18	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.26*	
		For 304 Stainless Steel, Add	*48.61*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.59*	
		For Crossbars At 2" O.C., Add	*2.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.12*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	30.26	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.60*	
		For 304 Stainless Steel, Add	*52.50*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*8.19*	
		For Crossbars At 2" O.C., Add	*3.03*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	32.26	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.93*	
		For 304 Stainless Steel, Add	*56.24*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*8.78*	
		For Crossbars At 2" O.C., Add	*3.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.23*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	33.99	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.21*	
		For 304 Stainless Steel, Add	*59.48*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*9.28*	
		For Crossbars At 2" O.C., Add	*3.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.27*	
05 53 13 00-0031		Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*		
		Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	10.04	0.89
		For Bearing Bars At 15/16" O.C., Add	*2.41*	
		For Crossbars At 2" O.C., Add	*0.89*	
		For Set In Place Without Bolting, Deduct	*-1.41*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	13.42	0.89
		For Bearing Bars At 15/16" O.C., Add	*3.40*	
		For Crossbars At 2" O.C., Add	*1.26*	
		For Set In Place Without Bolting, Deduct	*-1.49*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	12.69	0.89
		For Bearing Bars At 15/16" O.C., Add	*3.18*	
		For Crossbars At 2" O.C., Add	*1.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.47*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	17.07	0.89
		For Bearing Bars At 7/16" O.C., Add	*22.16*	
		For Bearing Bars At 15/16" O.C., Add	*4.46*	
		For Crossbars At 2" O.C., Add	*1.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.62	0.89
		For Bearing Bars At 15/16" O.C., Add	*3.75*	
		For Crossbars At 2" O.C., Add	*1.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.52*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.39	0.89
		For Bearing Bars At 15/16" O.C., Add	*5.14*	
		For Crossbars At 2" O.C., Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.64*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.43	0.89
		For Bearing Bars At 15/16" O.C., Add	*4.27*	
		For Crossbars At 2" O.C., Add	*1.58*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.57*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.78	0.89
		For Bearing Bars At 7/16" O.C., Add	*28.99*	
		For Bearing Bars At 15/16" O.C., Add	*5.84*	
		For Crossbars At 2" O.C., Add	*2.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.70*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.07	0.89
		For Bearing Bars At 15/16" O.C., Add	*6.51*	
		For Crossbars At 2" O.C., Add	*2.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.76*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	26.78	0.89
		For Bearing Bars At 15/16" O.C., Add	*7.30*	
		For Crossbars At 2" O.C., Add	*2.70*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.82*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.91	0.89
		For Bearing Bars At 15/16" O.C., Add	*7.92*	
		For Crossbars At 2" O.C., Add	*2.93*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.44	0.89
		For Bearing Bars At 15/16" O.C., Add	*8.66*	
		For Crossbars At 2" O.C., Add	*3.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.94*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	22.12	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.87*	
		For 304 Stainless Steel, Add	*33.71*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*13.01*	
		For Crossbars At 2" O.C., Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.71*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	24.62	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.10*	
		For 304 Stainless Steel, Add	*37.85*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*14.61*	
		For Crossbars At 2" O.C., Add	*1.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.77*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	27.00	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.28*	
		For 304 Stainless Steel, Add	*41.12*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*15.87*	
		For Crossbars At 2" O.C., Add	*1.98*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.09*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	30.84	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.63*	
		For 304 Stainless Steel, Add	*47.49*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*18.33*	
		For Crossbars At 2" O.C., Add	*2.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	34.70	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.99*	
		For 304 Stainless Steel, Add	*53.89*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*20.80*	
		For Crossbars At 2" O.C., Add	*2.60*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	38.54	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*60.25*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*23.26*	
		For Crossbars At 2" O.C., Add	*2.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.38*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	42.40	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.70*	
		For 304 Stainless Steel, Add	*66.65*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*25.73*	
		For Crossbars At 2" O.C., Add	*3.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.48*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	11.76	0.89
		For Bearing Bars At 15/16" O.C., Add	*6.38*	
		For Crossbars At 2" O.C., Add	*0.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.45*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	15.10	0.89
		For Bearing Bars At 15/16" O.C., Add	*8.52*	
		For Crossbars At 2" O.C., Add	*1.06*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.53*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	13.26	0.89
		For Bearing Bars At 15/16" O.C., Add	*7.34*	
		For Crossbars At 2" O.C., Add	*0.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.49*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	17.34	0.89
		For Bearing Bars At 15/16" O.C., Add	*9.95*	
		For Crossbars At 2" O.C., Add	*1.24*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.59*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	15.04	0.89
		For Bearing Bars At 15/16" O.C., Add	*8.48*	
		For Crossbars At 2" O.C., Add	*1.06*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.53*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	19.75	0.89
		For Bearing Bars At 15/16" O.C., Add	*11.49*	
		For Crossbars At 2" O.C., Add	*1.44*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.65*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	22.52	0.89
		For Bearing Bars At 15/16" O.C., Add	*13.27*	
		For Crossbars At 2" O.C., Add	*1.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.72*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	25.28	0.89
		For Bearing Bars At 15/16" O.C., Add	*15.03*	
		For Crossbars At 2" O.C., Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.79*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	28.05	0.89
		For Bearing Bars At 15/16" O.C., Add	*16.81*	
		For Crossbars At 2" O.C., Add	*2.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.86*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	30.80	0.89
		For Bearing Bars At 15/16" O.C., Add	*18.57*	
		For Crossbars At 2" O.C., Add	*2.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0064		**Riveted Grating** *(05 53 13)* Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065		**Steel, Riveted Grating** *(05 53 13 00-0064)* Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	41.55	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.91*	
		For 304 Stainless Steel, Add	*34.15*	
		For 5/8" Clear Opening, Add	*13.72*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.19*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	48.83	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.26*	
		For 304 Stainless Steel, Add	*40.41*	
		For 5/8" Clear Opening, Add	*16.23*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.38*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	44.90	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.07*	
		For 304 Stainless Steel, Add	*37.03*	
		For 5/8" Clear Opening, Add	*14.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.28*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	51.60	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.39*	
		For 304 Stainless Steel, Add	*42.79*	
		For 5/8" Clear Opening, Add	*17.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.44*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	47.68	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.20*	
		For 304 Stainless Steel, Add	*39.42*	
		For 5/8" Clear Opening, Add	*15.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.35*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	56.77	0.89
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.64*	
		For 304 Stainless Steel, Add	*47.23*	
		For 5/8" Clear Opening, Add	*18.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.57*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	50.76	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.33*	
		For 304 Stainless Steel, Add	*41.71*	
		For 5/8" Clear Opening, Add	*16.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.69*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	60.48	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.80*	
		For 304 Stainless Steel, Add	*50.06*	
		For 5/8" Clear Opening, Add	*20.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.93*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	65.44	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.04*	
		For 304 Stainless Steel, Add	*54.32*	
		For 5/8" Clear Opening, Add	*21.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.06*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	76.51	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.57*	
		For 304 Stainless Steel, Add	*63.83*	
		For 5/8" Clear Opening, Add	*25.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.33*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	80.36	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*67.14*	
		For 5/8" Clear Opening, Add	*26.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	83.80	1.10
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.92*	
		For 304 Stainless Steel, Add	*70.09*	
		For 5/8" Clear Opening, Add	*28.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.51*	
05 53 13 00-0078		Aluminum, Riveted Grating *(05 53 13 00-0064)*		
		Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	24.56	0.89
		For 5/8" Clear Opening, Add	*7.86*	
		For Set In Place Without Bolting, Deduct	*-1.77*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	29.07	0.89
		For 5/8" Clear Opening, Add	*9.41*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	26.97	0.89
		For 5/8" Clear Opening, Add	*8.69*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.83*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	31.37	0.89
		For 5/8" Clear Opening, Add	*10.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.94*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	30.19	0.89
		For 5/8" Clear Opening, Add	*9.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.91*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	36.30	0.89
		For 5/8" Clear Opening, Add	*11.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.06*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	32.39	0.89
		For 5/8" Clear Opening, Add	*10.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.96*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	40.15	0.89
		For 5/8" Clear Opening, Add	*13.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	44.21	0.89
		For 5/8" Clear Opening, Add	*14.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.26*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	52.57	0.89
		For 5/8" Clear Opening, Add	*17.52*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.47*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	57.30	0.89
		For 5/8" Clear Opening, Add	*19.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.59*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	63.66	0.89
		For 5/8" Clear Opening, Add	*21.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.75*	
05 53 16		**Plank Gratings** *(05 53)*		
05 53 16 00-0001		Grate-Lock Steel Plank Grating *(05 53 16)*		
		Note: Smooth or traction grip surface.		
05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	9.51	0.70
		For Stair Tread Application, Add	*1.16*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.23	0.85
		For Stair Tread Application, Add	*1.28*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.81	0.93
		For Stair Tread Application, Add	*1.36*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	11.81	1.01
		For Stair Tread Application, Add	*1.49*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	11.55	0.78
		For Stair Tread Application, Add	*1.39*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	12.35	0.93
		For Stair Tread Application, Add	*1.52*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	14.14	0.89
		For Stair Tread Application, Add	*1.68*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	15.15	1.10
		For Stair Tread Application, Add	*1.85*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	16.34	1.38
		For Stair Tread Application, Add	*2.05*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	18.04	1.55
		For Stair Tread Application, Add	*2.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	10.99	1.06
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	12.50	1.06
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	15.54	1.06
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	20.72	1.14
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	26.17	1.22

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	16.01	0.89
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	18.37	1.06
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	20.73	1.14

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	26.40	1.22
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	31.56	1.38
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	40.86	1.63

05 55 Metal Stair Treads And Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	40.30	5.05
		For 3/8" Thick, Add	*8.05*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	44.08	5.05
		For 3/8" Thick, Add	*9.00*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	47.85	5.05
		For 3/8" Thick, Add	*9.94*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	51.65	5.05
		For 3/8" Thick, Add	*10.89*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	55.40	5.05
		For 3/8" Thick, Add	*11.83*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	54.96	5.05
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	60.56	5.05
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	66.18	5.05
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	71.78	5.05
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	77.39	5.05

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	22.62	5.05
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	26.04	5.05
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	27.55	5.05

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	32.07	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
		For Two Color Tread, Add	*1.78*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	32.36	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
		For Two Color Tread, Add	*1.78*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	38.52	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
		For Two Color Tread, Add	*1.78*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	43.92	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
		For Two Color Tread, Add	*1.78*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	50.96	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
		For Two Color Tread, Add	*1.78*	

05 55 13 00-0023 Stair Landing Treads *(05 55 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0024		**Abrasive Cast Aluminum Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	55.40	5.05
		For 3/8" Thick, Add	*11.83*	
05 55 13 00-0026		**Abrasive Cast Iron Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	77.39	5.05
05 55 13 00-0028		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	51.57	5.05
		For Epoxy Sealed For Corrosive Environment, Add	*2.38*	
05 55 13 00-0030		**Open Cast Iron Stair Tread** *(05 55 13)* Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	380.58	32.58
		For Closed Riser, Add	*32.42*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	429.87	37.47
		For Closed Riser, Add	*36.50*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	475.17	43.99
		For Closed Riser, Add	*40.28*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	17.76	3.45
		For 3/8" Thick, Add	*3.06*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	21.41	3.45
		For 3/8" Thick, Add	*3.97*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	29.54	3.45
		For 3/8" Thick, Add	*6.01*	
05 55 16 00-0005		**Abrasive Cast Iron Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	20.42	3.45
		For 3/8" Thick, Add	*3.73*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	24.92	3.45
		For 3/8" Thick, Add	*4.85*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	33.80	3.45
		For 3/8" Thick, Add	*7.07*	
05 55 16 00-0009		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings** *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.29	3.45
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.04	3.45
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.39	3.45
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	22.56	3.45
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.76	3.45
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.26	3.45
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.75	3.45
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.84	3.45
05 56		**Metal Castings** *(05 50)*		
05 56 00 00-0001		**Castings** *(05 56)*		
05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section	3.11	0.41
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section	5.09	0.33
05 58		**Formed Metal Fabrications** *(05 50)*		
05 58 16		**Formed Metal Enclosures** *(05 58)*		
05 58 16 00-0001		**Drip Pan** *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	61.02	4.81
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	60.30	4.81
05 58 16 00-0004	SF	Aluminum Drip Pan	42.57	3.84
05 58 16 00-0005	SF	Plastic Drip Pan	12.31	3.36

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23		**Formed Metal Guards** *(05 58)*		
05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	115.68	16.54
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	134.58	16.54
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	152.41	16.54
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	171.31	16.54
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	189.24	16.54
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	212.49	16.54
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	228.32	16.54
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	252.84	16.54
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	268.94	16.54
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	280.43	16.54
05 58 23 00-0014		Posts For 2-Rib Guard Rails *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	236.46	34.45
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	302.10	34.45
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	127.07	16.54
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	139.64	16.54
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	155.32	16.54
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	169.98	16.54
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	186.95	16.54
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	195.12	16.54
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	214.79	16.54
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	231.39	16.54
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	249.01	16.54
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	266.89	16.54
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	183.62	16.54
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	197.42	16.54
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	211.72	16.54
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	228.32	16.54
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	244.93	16.54
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	258.46	16.54
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	274.05	16.54
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	291.67	16.54
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	310.57	16.54
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	327.17	16.54
05 58 23 00-0040		Posts For 3-Rib Guard Rails *(05 58 23 00-0017)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	210.30	34.45
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	263.53	34.45
05 58 23 00-0043		All-Welded, Protective Guards *(05 58 23)* Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	275.01	45.94
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	287.78	45.94
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	295.19	45.94
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	306.17	45.94
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	303.62	45.94
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	317.15	45.94
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	320.99	45.94
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	325.33	45.94
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	346.02	45.94
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	354.19	45.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	369.52	45.94
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	375.90	45.94
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	407.32	45.94

05 58 23 00-0059 Warehouse Safety Bollards *(05 58 23)*

Note: Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	175.91	34.45
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	201.15	34.45
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	227.87	34.45
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	235.17	34.45
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	252.03	34.45

05 59 Metal Specialties *(05 50)*

05 59 65 Chain *(05 59)*

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.82	0.79
		For Plastic Dipped, Add	*0.34*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.12	1.06
		For Plastic Dipped, Add	*0.45*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.28	2.10
		For Plastic Dipped, Add	*0.61*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.36	3.55
		For Plastic Dipped, Add	*0.94*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	22.54	6.00
		For Plastic Dipped, Add	*1.58*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	31.64	8.42
		For Plastic Dipped, Add	*2.22*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	42.75	10.53
		For Plastic Dipped, Add	*3.26*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	61.34	14.03
		For Plastic Dipped, Add	*4.99*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	99.03	21.05
		For Plastic Dipped, Add	*8.54*	

END OF SECTION 05

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 90 Painting And Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work			0.84
		For Oil Based Paint, Add			*0.05*
		For Work >20', Add			*0.18*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*0.55*
		For >100 To 250, Add			*0.26*
		For >250 To 500, Add			*0.11*
		For >2,500 To 5,000, Deduct			*-0.04*
		For >5,000 To 10,000, Deduct			*-0.08*
		For >10,000 To 20,000, Deduct			*-0.13*
		For >20,000, Deduct			*-0.17*
09 91 13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work			1.21
		For Oil Based Paint, Add			*0.07*
		For Work >20', Add			*0.27*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*0.82*
		For >100 To 250, Add			*0.39*
		For >250 To 500, Add			*0.17*
		For >2,500 To 5,000, Deduct			*-0.06*
		For >5,000 To 10,000, Deduct			*-0.12*
		For >10,000 To 20,000, Deduct			*-0.18*
		For >20,000, Deduct			*-0.24*
09 91 13 00-0005	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush Work			1.73
		For Oil Based Paint, Add			*0.10*
		For Work >20', Add			*0.36*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*1.12*
		For >100 To 250, Add			*0.53*
		For >250 To 500, Add			*0.23*
		For >2,500 To 5,000, Deduct			*-0.09*
		For >5,000 To 10,000, Deduct			*-0.17*
		For >10,000 To 20,000, Deduct			*-0.26*
		For >20,000, Deduct			*-0.35*
09 91 13 00-0006	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work			0.55
		For Oil Based Paint, Add			*0.03*
		For Work >20', Add			*0.11*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*0.33*
		For >100 To 250, Add			*0.16*
		For >250 To 500, Add			*0.07*
		For >2,500 To 5,000, Deduct			*-0.03*
		For >5,000 To 10,000, Deduct			*-0.06*
		For >10,000 To 20,000, Deduct			*-0.08*
		For >20,000, Deduct			*-0.11*
09 91 13 00-0007	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work			0.92
		For Oil Based Paint, Add			*0.06*
		For Work >20', Add			*0.18*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*0.58*
		For >100 To 250, Add			*0.27*
		For >250 To 500, Add			*0.12*
		For >2,500 To 5,000, Deduct			*-0.05*
		For >5,000 To 10,000, Deduct			*-0.09*
		For >10,000 To 20,000, Deduct			*-0.14*
		For >20,000, Deduct			*-0.18*
09 91 13 00-0008	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work			1.33
		For Oil Based Paint, Add			*0.08*
		For Work >20', Add			*0.25*
		Note: Applied only to work area above 20'.			
		For Up To 100, Add			*0.79*
		For >100 To 250, Add			*0.38*
		For >250 To 500, Add			*0.17*
		For >2,500 To 5,000, Deduct			*-0.07*
		For >5,000 To 10,000, Deduct			*-0.13*
		For >10,000 To 20,000, Deduct			*-0.20*
		For >20,000, Deduct			*-0.27*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF	Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0010	SF	Paint Exterior Brick Walls, 1 Coat Paint, Sprayed	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0011	SF	Paint Exterior Brick Walls, 2 Coats Paint, Sprayed	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0012 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0013	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0014	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work	0.79	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0015	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20', Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0016	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0018	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work	1.10	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0019	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0020	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed	0.40	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 13 00-0021	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

09 91 13 00-0022 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0022)*

09 91 13 00-0024	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.98	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0025	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	1.14	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.98	
		For Work >20', Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0027	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.80	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0028	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.89	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0029	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.56	
		For Work >20', Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0030	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.56	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0031	SF	Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.62	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0032	SF	Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	1.19	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0022)*

09 91 13 00-0034	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0036	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	1.96	
		For Oil Based Paint, Add	*0.12*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0037	SF	Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0038	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0039	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0040	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0041	SF	Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF	Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0043	SF	Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0044	SF	Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0045	SF	Paint Exterior Concrete Block Walls, Texture Coat, Sprayed	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 13 00-0046 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0047 Paint Exterior Galvanized Walls *(09 91 13 00-0046)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0048	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work	0.86	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0049	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	0.96	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0050	SF	Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.72	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work	0.63	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0052	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work	0.74	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0053	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.37	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0054	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed	0.44	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0055	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0056	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0057 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0046)*

Note: Alkyd enamel paint.

09 91 13 00-0058	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work	0.86	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0059	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.96	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.72	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0061	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work	0.68	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0062	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.78	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0063	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.45	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0064	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.49	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0065	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0066	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0067 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0046)*

09 91 13 00-0068	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack	10.49	
		For Work >20', Add	*2.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*7.35*	
		For >100 To 250, Add	*3.46*	
		For >250 To 500, Add	*1.49*	
		For >2,500 To 5,000, Deduct	*-0.52*	
		For >5,000 To 10,000, Deduct	*-1.05*	
		For >10,000 To 20,000, Deduct	*-1.57*	
		For >20,000, Deduct	*-2.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack	11.67	
		For Work >20', Add	*2.68*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*8.17*	
		For >100 To 250, Add	*3.84*	
		For >250 To 500, Add	*1.65*	
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000 To 10,000, Deduct	*-1.17*	
		For >10,000 To 20,000, Deduct	*-1.75*	
		For >20,000, Deduct	*-2.33*	
09 91 13 00-0070	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack	21.84	
		For Work >20', Add	*5.03*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*15.35*	
		For >100 To 250, Add	*7.21*	
		For >250 To 500, Add	*3.10*	
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000 To 10,000, Deduct	*-2.18*	
		For >10,000 To 20,000, Deduct	*-3.28*	
		For >20,000, Deduct	*-4.37*	

09 91 13 00-0071 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0046)*

09 91 13 00-0072	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.56	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0073	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.77	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0074	SF	Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.25	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 13 00-0075 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0076	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work	1.24	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0077	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	SF	Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.53	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0079	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0080	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0081	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.93	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0082	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0083	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0084	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 13 00-0085 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0086 Paint Exterior Smooth Wood Siding *(09 91 13 00-0085)*
Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087	SF	Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0088	SF	Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.95	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0089	SF	Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0090	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0091	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0092	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0093	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0094	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0095	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

09 91 13 00-0096 Paint Exterior Rough Wood Siding *(09 91 13 00-0085)*

Note: Includes shingles, shakes or rough sawn siding.

09 91 13 00-0097	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0098	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work	1.41	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0099	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	2.60	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 13 00-0100	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0101	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work	2.38	
		For Oil Based Paint, Add	*0.15*	
		For Work >20', Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0103	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0104	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0105	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.66	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 13 00-0106 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0107	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0108	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0109	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0110	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0111	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0112	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0113	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0114	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0115	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0116 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0117 Paint Exterior Concrete Ceilings *(09 91 13 00-0116)*

09 91 13 00-0118	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0120	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.13*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0121	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0122	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0123	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0124	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0125	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0127		Paint Exterior Wood Ceilings *(09 91 13 00-0116)*		
09 91 13 00-0128		Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0127)*		
09 91 13 00-0129	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0130	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0131	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.89	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0132	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0133	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0134	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0135	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0136	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0137	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0138		Paint Exterior Rough Wood Ceilings *(09 91 13 00-0127)*		
09 91 13 00-0139	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work	1.48	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0140	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.56	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0141	SF	Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.70	
		For Oil Based Paint, Add	*0.15*	
		For Work >20', Add	*0.61*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.87*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0142	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0143	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0144	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	2.48	
		For Oil Based Paint, Add	*0.15*	
		For Work >20', Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0145	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0146	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0147	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed	1.76	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0148		Paint Exterior Metal Ceilings *(09 91 13 00-0116)*		
09 91 13 00-0149		Paint Exterior Galvanized Ceilings *(09 91 13 00-0148)*		
		Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0150	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.96	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0151	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.06	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0152	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.93	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0153	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.73	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0154	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.83	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0155	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.45	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0156	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0157	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.70	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0158	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.09	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0159 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0148)*

Note: Alkyd enamel paint.

09 91 13 00-0160	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.96	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.06	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0162	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.93	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0163	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.78	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0164	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.88	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0165	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.55	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0166	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0167	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0168	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.09	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0169 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0148)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.66	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0171	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	0.77	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0172	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.39	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 13 00-0173 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0174 Paint Exterior Concrete Floors *(09 91 13 00-0173)*

09 91 13 00-0175	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0176	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0177	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0178	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0179	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.60	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0180	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0181	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.34	
		For Oil Based Paint, Add	*0.02*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 13 00-0182	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0183	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0184	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work	1.33	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0185	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work	2.90	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0186	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work	3.56	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 20,000, Deduct	*-0.53*	
		For >20,000, Deduct	*-0.71*	

09 91 13 00-0187 Paint Exterior Wood Floors *(09 91 13 00-0173)*

09 91 13 00-0188	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0189	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0191	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0192	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0193	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0194	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0195	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0196	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0197	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.43	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0198	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	3.66	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.55*	
		For >20,000, Deduct	*-0.73*	

09 91 13 00-0199 Paint Site Work *(09 91 13)*
Note: Tasks can be used for exterior or interior applications.

09 91 13 00-0200 Paint Structural Steel *(09 91 13 00-0199)*

09 91 13 00-0201 Paint Structural Steel, Brush Work *(09 91 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0202	SF	Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.81	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0203	SF	Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work	0.71	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.07*	

09 91 13 00-0204 Paint Structural Steel, Spray Work *(09 91 13 00-0200)*

09 91 13 00-0205	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.54	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0206	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.44	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.05*	

09 91 13 00-0207 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0200)*

09 91 13 00-0208	SF	Paint Exposed Metal Decking, 1 Coat Primer, Sprayed	0.61	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0209	SF	Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.61	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0210	SF	Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	1.02	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0211	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work	0.97	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0212	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work	0.96	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0213	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work	1.79	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0214	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed	0.73	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0215	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed	0.73	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0216	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed	1.23	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.15*	

09 91 13 00-0217 Paint Steel Pipes *(09 91 13 00-0199)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0218	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.41	
		For Electrostatic Painting, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0219	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer	1.58	
		For Electrostatic Painting, Add	*0.18*	
		For Epoxy Paint, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0220	LF	Paint Steel Pipes 4" Diameter, 1 Coat Primer	1.79	
		For Electrostatic Painting, Add	*0.21*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0221	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	2.23	
		For Electrostatic Painting, Add	*0.26*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0222	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.83	
		For Electrostatic Painting, Add	*0.33*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0223	LF	Paint Conduit, Steel Pipe 1/2"To 1-1/2" Diameter, 1 Coat Paint	1.41	
		For Electrostatic Painting, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0224	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.58	
		For Electrostatic Painting, Add	*0.18*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0225	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.79	
		For Electrostatic Painting, Add	*0.21*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0226	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint	2.23	
		For Electrostatic Painting, Add	*0.26*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0227	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint	2.83	
		For Electrostatic Painting, Add	*0.33*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0228	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.81	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0229	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	3.16	
		For Electrostatic Painting, Add	*0.37*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0230	LF	Paint Steel Pipes 4" Diameter, 2 Coats	3.41	
		For Electrostatic Painting, Add	*0.40*	
		For Epoxy Paint, Add	*0.29*	
09 91 13 00-0231	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	4.31	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.36*	
09 91 13 00-0232	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	5.30	
		For Electrostatic Painting, Add	*0.62*	
		For Epoxy Paint, Add	*0.45*	

09 91 13 00-0233 Paint Fencing *(09 91 13 00-0199)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0234	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller	0.71	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0235	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.30	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0236	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.54	
		For Epoxy Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0237	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed	0.99	
		For Epoxy Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0238	SF	Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.62	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0239	SF	Paint Wrought Iron Fence, 1 Coat, Brush/Roller	0.60	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0240	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.41	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0241	SF	Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.87	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0242	SF	Paint Picket Fence, 1 Coat, Brush/Roller	0.87	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0243	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.61	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0244	SF	Paint Wood Fences 1 Coat, Brush/Roller	0.62	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0245	SF	Paint Wood Fences 2 Coats, Brush/Roller	1.09	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0246	SF	Paint Wood Fences 1 Coat, Sprayed	0.43	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0247	SF	Paint Wood Fences 2 Coats, Sprayed	0.79	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	

09 91 13 00-0248 Paint Metal Louvers *(09 91 13 00-0199)*

09 91 13 00-0249	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.17	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0250	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.18	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0251	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.39	
		For Electrostatic Painting, Add	*0.27*	

09 91 13 00-0252 Paint Ladders *(09 91 13 00-0199)*

09 91 13 00-0253	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.32	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0254	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.71	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0255	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	7.35	
		For Epoxy Paint, Add	*0.40*	

09 91 13 00-0256 Paint Handrails *(09 91 13 00-0199)*

09 91 13 00-0257	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.29	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0258	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.44	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0259	LF	Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.39	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0260	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.95	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0261	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.18	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0262	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.84	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0263	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.14	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0264	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.38	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0265	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.12	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0266	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.34	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0267	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.49	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0268	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.69	
		For Epoxy Paint, Add	*0.24*	

09 91 13 00-0269 Paint Grating *(09 91 13 00-0199)*

09 91 13 00-0270	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.40	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0271	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.42	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0272	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.61	
		For Epoxy Paint, Add	*0.24*	

09 91 13 00-0273 Other Site Work Painting *(09 91 13 00-0199)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0274		**Paint Flagpoles** *(09 91 13 00-0273)*		
09 91 13 00-0275	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint	156.78	
09 91 13 00-0276	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	210.52	
09 91 13 00-0277	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	264.28	
09 91 13 00-0278	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	318.05	
09 91 13 00-0279	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	419.85	
09 91 13 00-0280	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	472.90	
09 91 13 00-0281	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	525.95	
09 91 13 00-0282		**Paint Lattice Or Trellis** *(09 91 13 00-0273)*		
09 91 13 00-0283	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.14	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0284	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	2.10	
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 91 13 00-0285		**Equipment And Tanks** *(09 91 13 00-0199)*		
09 91 13 00-0286		**Valves, Primer And Finish Coats** *(09 91 13 00-0285)*		
09 91 13 00-0287	EA	Prime And Paint 4" And Smaller Valve	23.28	
09 91 13 00-0288	EA	Prime And Paint 6" To 10" Valve	28.32	
09 91 13 00-0289	EA	Prime And Paint 12" To 18" Valve	37.45	
09 91 13 00-0290	EA	Prime And Paint 20" To 24" Valve	50.66	
09 91 13 00-0291	EA	Prime And Paint >24" To 36" Valve	68.91	
09 91 13 00-0292	EA	Prime And Paint >36" To 48" Valve	93.14	
09 91 13 00-0293		**Pumps And Motors. Primer And Finish Coats** *(09 91 13 00-0285)*		
09 91 13 00-0294	EA	Prime And Paint Pump Under 1 HP	70.80	
09 91 13 00-0295	EA	Prime And Paint Pump, 1 HP To 5 HP	91.91	
09 91 13 00-0296	EA	Prime And Paint Pump, >5 HP To 10 HP	108.94	
09 91 13 00-0297	EA	Prime And Paint Pump, >10 HP To 20 HP	120.92	
09 91 13 00-0298	EA	Prime And Paint Pump, >20 HP To 30 HP	141.06	
09 91 13 00-0299	EA	Prime And Paint Pump, >30 HP To 50 HP	161.23	
09 91 13 00-0300	EA	Prime And Paint Pump, >50 HP To 75 HP	177.30	
09 91 13 00-0301	EA	Prime And Paint Pump, >75 HP	201.54	
09 91 13 00-0302		**Storage Tanks** *(09 91 13 00-0285)*		
09 91 13 00-0303	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller	0.85	
09 91 13 00-0304	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller	1.08	
09 91 13 00-0305	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller	2.05	
09 91 13 00-0306	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller	1.19	
09 91 13 00-0307	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller	1.48	
09 91 13 00-0308	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller	2.80	
09 91 13 00-0309	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray	0.80	
09 91 13 00-0310	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray	0.93	
09 91 13 00-0311	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray	1.78	
09 91 13 00-0312	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray	0.95	
09 91 13 00-0313	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray	1.20	
09 91 13 00-0314	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray	2.30	
09 91 13 00-0315		**Paint Exterior Stairs** *(09 91 13)*		
09 91 13 00-0316		**Paint Exterior Concrete Stairs** *(09 91 13 00-0315)*		
09 91 13 00-0317	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	14.47	
09 91 13 00-0318	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	14.47	
09 91 13 00-0319	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	17.55	
09 91 13 00-0320	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	26.48	
09 91 13 00-0321	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	28.94	
09 91 13 00-0322		**Paint Exterior Metal Stairs** *(09 91 13 00-0315)*		
09 91 13 00-0323	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.42	
		For Oil Based Paint, Add	*0.39*	
09 91 13 00-0324	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.42	
		For Oil Based Paint, Add	*0.39*	
09 91 13 00-0325	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.84	
		For Oil Based Paint, Add	*0.78*	
09 91 13 00-0326		**Paint Exterior Wood Stairs** *(09 91 13 00-0315)*		
09 91 13 00-0327	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.42	
09 91 13 00-0328	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0329	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	10.49	
09 91 13 00-0330	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	19.42	
09 91 13 00-0331	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.83	

09 91 13 00-0332 Paint Exterior Stair Nosing *(09 91 13 00-0315)*

09 91 13 00-0333	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.44	

09 91 13 00-0334 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0335 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0334)*

09 91 13 00-0336	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.01	
09 91 13 00-0337	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.01	
09 91 13 00-0338	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.82	
09 91 13 00-0339	SF	Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.81	
09 91 13 00-0340	SF	Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.91	
09 91 13 00-0341	SF	Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.62	
09 91 13 00-0342	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.48	
09 91 13 00-0343	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	1.98	

09 91 13 00-0344 Paint Exterior Wood Trim *(09 91 13 00-0334)*

09 91 13 00-0345	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.39	
		For Oil Based Paint, Add	*0.08*	
09 91 13 00-0346	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.51	
		For Oil Based Paint, Add	*0.09*	
09 91 13 00-0347	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.73	
		For Oil Based Paint, Add	*0.16*	
09 91 13 00-0348	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.09	
		For Oil Based Paint, Add	*0.06*	
09 91 13 00-0349	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.21	
		For Oil Based Paint, Add	*0.07*	
09 91 13 00-0350	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.25	
		For Oil Based Paint, Add	*0.13*	

09 91 13 00-0351 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0352	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.07	
		For Epoxy Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0353	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.02	
		For Epoxy Paint, Add	*0.08*	
		For Electrostatic Painting, Add	*0.12*	
09 91 13 00-0354	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	2.07	
		For Epoxy Paint, Add	*0.17*	
		For Electrostatic Painting, Add	*0.24*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	25.10	
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.61	
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.21	
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	57.43	
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	25.74	
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	39.68	
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	31.85	
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	24.61	
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	22.36	
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.42	
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	32.82	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	32.82	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	37.00	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	24.13	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	42.95	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	25.74	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	20.59	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	53.25	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	33.21	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	37.47	

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	18.02	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	89.34	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	9.65	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	55.82	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	29.28	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon	9.65	
09 91 33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon	14.64	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	29.60	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.42	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.18	
09 91 33 00-0033	GAL	Exterior, Oil Base, Flat	29.49	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	27.99	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	32.98	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base	41.68	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	180.83	
09 91 33 00-0039	GAL	High Heat Paint	60.81	
09 91 33 00-0040	GAL	Heat Resistant Paint	40.54	
09 91 33 00-0041	GAL	Zinc Chromate Paint	36.68	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	14.48	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	40.54	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	29.28	
09 91 33 00-0045	GAL	Alkyd Latex, Black	27.35	
09 91 33 00-0046	GAL	Alkyd Latex, White	27.35	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	32.98	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	37.00	
09 91 33 00-0049	GAL	Vinyl Paint	49.23	
09 91 33 00-0050	GAL	Silicone Alkyd	59.85	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	60.81	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	76.26	
09 91 33 00-0053	GAL	Chlorinated Rubber	55.99	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	57.92	
09 91 33 00-0055	GAL	Coal Tar Epoxy	41.51	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	51.80	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	67.57	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	46.33	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	29.44	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	32.98	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.33	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	20.43	
09 91 33 00-0063	GAL	Linseed Oil	17.86	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	32.98	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	30.16	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	24.24	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	16.73	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	31.21	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	27.83	
09 91 33 00-0072	GAL	Varnish, Clear	19.44	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	14.12	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	12.62	
09 91 33 00-0075	GAL	Polyurethane	22.15	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	29.37	
09 91 33 00-0077	GAL	Shellac, Clear	38.52	
09 91 33 00-0078	GAL	Acetone	12.71	
09 91 33 00-0079	GAL	Paint Thinner	3.14	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	12.87	
09 91 33 00-0081	GAL	Turpentine	17.70	
09 91 33 00-0082	GAL	Wood Filler Paste	30.24	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	24.13	

09 91 43 Surface Preparation *(09 91)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 91 43 00-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 91 43)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 91 43 00-0002 Concrete And Masonry Surfaces, Surface Preparation *(09 91 43 00-0001)*

09 91 43 00-0003	SF	Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.41	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0004	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.66	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0005	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0006	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0007	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.38	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0008	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.09	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0009	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.84	
		For Up To 100, Add	*3.48*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.27*	
		For >30,000, Deduct	*-0.36*	
09 91 43 00-0010	SF	Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.47	
		For Heavy Condition Where Multiple Pass Is Required, Add	*1.24*	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.56*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.24*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.48*	

09 91 43 00-0011 Metal Surfaces, Surface Preparation *(09 91 43 00-0001)*

09 91 43 00-0012	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.66	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0013	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0014	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0015	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.06	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0016	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0017	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.80	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	
09 91 43 00-0018	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.08	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0019	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.59	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
09 91 43 00-0020	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.66	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.39*	
		For >30,000, Deduct	*-0.51*	
09 91 43 00-0021	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.01	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.29*	
		For >30,000, Deduct	*-0.39*	
09 91 43 00-0022	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.49	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.48*	
09 91 43 00-0023	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.24	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.41*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 30,000, Deduct	*-0.47*	
		For >30,000, Deduct	*-0.62*	
09 91 43 00-0024	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.04	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 30,000, Deduct	*-0.59*	
		For >30,000, Deduct	*-0.78*	

09 91 43 00-0025 Tile Surfaces *(09 91 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0026	SF	Alkaline Cleaner, Brush And Wash Tile Surface	0.38	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 91 43 00-0027	SF	Up To 5,000 PSI, Pressure Wash Tile Surface	0.27	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	

09 91 43 00-0028 Wood Surfaces *(09 91 43 00-0001)*

09 91 43 00-0029	SF	Chemical Clean, Brush And Wash Wood Surface	0.53	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 91 43 00-0030	SF	Hand Scrape Wood Surface	0.65	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0031	SF	Steam Clean Wood Surface	0.59	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 91 43 00-0032	SF	Up To 5,000 PSI, Pressure Wash Wood Surface	0.41	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 91 43 00-0033	SF	Sanding Wood Paneling, Boards, Doors, Etcetera	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	
09 91 43 00-0034	SF	Sanding Wood Trim	1.05	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0035	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.19	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
09 91 43 00-0036	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat	0.68	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0037	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat	0.79	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	

09 91 43 00-0038 Vinyl Siding Surfaces *(09 91 43 00-0001)*

09 91 43 00-0039	SF	Hand Wash,Vinyl Siding Surfaces	0.60	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0040	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.33	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 91 43 00-0041	SF	Steam Clean, Vinyl Siding Surfaces	0.61	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 91 43 00-0042 Prep Work *(09 91 43 00-0001)*

09 91 43 00-0043	SF	Citrus Strip, Single Applications	0.98	

09 91 43 00-0044 Plaster/Stucco *(09 91 43 00-0001)*

Note: Based on total project quantity.

09 91 43 00-0045	SF	Up To 5,000 PSI Pressure Wash Stucco Surfaces	0.43	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 91 43 00-0046 Paint Removal, Strip To Bare Wood *(09 91 43 00-0001)*

09 91 43 00-0047	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	7.00	
09 91 43 00-0048	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	7.47	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Painting *(09 96 23)*

09 96 23 00-0002	SF	Anti-Graffiti Coating System, 1 Coat, Concrete Surface	1.66	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 96 23 00-0003	SF	Anti-Graffiti Coating System, 1 Coat, Brick Or Block	1.70	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
09 96 23 00-0004	SF	Anti-Graffiti Coating System, 1 Coat, Tile	1.43	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 96 23 00-0005	SF	Anti-Graffiti Coating System, 1 Coat, Metal Or Steel	1.39	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 96 23 00-0006	SF	Anti-Graffiti Coating System, 1 Coat, Wood	1.66	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0007	SF	Anti-Graffiti Coating System, 1 Coat, Painted Surface	1.51	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 96 23 00-0008	SF	Anti-Graffiti Coating System, 2 Coats, Concrete Surface	3.14	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 96 23 00-0009	SF	Anti-Graffiti Coating System, 2 Coats, Brick Or Block	3.22	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 96 23 00-0010	SF	Anti-Graffiti Coating System, 2 Coats, Tile	2.69	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	
09 96 23 00-0011	SF	Anti-Graffiti Coating System, 2 Coats, Metal Or Steel	2.61	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 96 23 00-0012	SF	Anti-Graffiti Coating System, 2 Coats, Wood	3.11	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.34*	
09 96 23 00-0013	SF	Anti-Graffiti Coating System, 2 Coats, Painted Surface	2.84	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	Paint, Brush, Elastomeric, Per Coat	2.19	
		For Work >20', Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 96 53 00-0003	SF	Paint, Roller, Elastomeric, Per Coat	1.74	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 96 53 00-0004	SF	Paint, Conventional Spray, Elastomeric, Per Coat	1.52	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 96 53 00-0005	SF	Paint, Airless Spray, Elastomeric, Per Coat	1.36	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	High Build Epoxy - 50 Mil	2.45	

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	5.27	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.73	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	6.69	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	9.94	

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	3.02	

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0003	SF	Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.43	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.86	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	

09 97 13 23-0007 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0008	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.96	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.86	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.84	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.19	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	

09 97 13 23-0012 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0013	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.41	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0014	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.12	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0015	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.98	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.98	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0017		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0018	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.66	
		For Up To 100, Add	*3.15*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0019	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.02	
		For Up To 100, Add	*2.69*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0020	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.72	
		For Up To 100, Add	*2.47*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0021	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.56	
		For Up To 100, Add	*3.83*	
		For >100 To 250, Add	*1.80*	
		For >250 To 500, Add	*0.78*	
09 97 13 23-0022		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
09 97 13 23-0023	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.49	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0024	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.98	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0025	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.83	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0026	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.04	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0027		Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*		
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0028		1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0027)*		
09 97 13 23-0029	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.86	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0030	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.64	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0031	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.56	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0032	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.05	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0033	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.26	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0034	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.92	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0035	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.81	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0036	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.53	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0037		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0038		SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.54	
			For Up To 100, Add	*1.71*	
			For >100 To 250, Add	*0.81*	
			For >250 To 500, Add	*0.35*	
09 97 13 23-0039		SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.82	
			For Up To 100, Add	*1.19*	
			For >100 To 250, Add	*0.56*	
			For >250 To 500, Add	*0.24*	
09 97 13 23-0040		SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.68	
			For Up To 100, Add	*1.09*	
			For >100 To 250, Add	*0.52*	
			For >250 To 500, Add	*0.22*	
09 97 13 23-0041		SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.11	
			For Up To 100, Add	*2.13*	
			For >100 To 250, Add	*1.01*	
			For >250 To 500, Add	*0.43*	
09 97 13 23-0042		SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.91	
			For Up To 100, Add	*1.29*	
			For >100 To 250, Add	*0.61*	
			For >250 To 500, Add	*0.26*	
09 97 13 23-0043		SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.37	
			For Up To 100, Add	*0.90*	
			For >100 To 250, Add	*0.42*	
			For >250 To 500, Add	*0.18*	
09 97 13 23-0044		SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.26	
			For Up To 100, Add	*0.81*	
			For >100 To 250, Add	*0.39*	
			For >250 To 500, Add	*0.17*	
09 97 13 23-0045		SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.34	
			For Up To 100, Add	*1.61*	
			For >100 To 250, Add	*0.76*	
			For >250 To 500, Add	*0.33*	
09 97 13 23-0046		SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.00	
			For Up To 100, Add	*2.81*	
			For >100 To 250, Add	*1.32*	
			For >250 To 500, Add	*0.57*	
09 97 13 23-0047		SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.82	
			For Up To 100, Add	*1.94*	
			For >100 To 250, Add	*0.91*	
			For >250 To 500, Add	*0.39*	
09 97 13 23-0048		SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.59	
			For Up To 100, Add	*1.77*	
			For >100 To 250, Add	*0.83*	
			For >250 To 500, Add	*0.36*	
09 97 13 23-0049		SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.93	
			For Up To 100, Add	*3.50*	
			For >100 To 250, Add	*1.64*	
			For >250 To 500, Add	*0.71*	
09 97 13 23-0050		SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.00	
			For Up To 100, Add	*2.11*	
			For >100 To 250, Add	*0.99*	
			For >250 To 500, Add	*0.43*	
09 97 13 23-0051		SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.12	
			For Up To 100, Add	*1.46*	
			For >100 To 250, Add	*0.69*	
			For >250 To 500, Add	*0.30*	
09 97 13 23-0052		SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.95	
			For Up To 100, Add	*1.33*	
			For >100 To 250, Add	*0.63*	
			For >250 To 500, Add	*0.27*	
09 97 13 23-0053		SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.70	
			For Up To 100, Add	*2.63*	
			For >100 To 250, Add	*1.23*	
			For >250 To 500, Add	*0.53*	

09 97 13 23-0054 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0055		SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.97	
			For Up To 100, Add	*1.34*	
			For >100 To 250, Add	*0.63*	
			For >250 To 500, Add	*0.27*	
09 97 13 23-0056		SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.60	
			For Up To 100, Add	*1.07*	
			For >100 To 250, Add	*0.51*	
			For >250 To 500, Add	*0.22*	
09 97 13 23-0057		SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.47	
			For Up To 100, Add	*0.98*	
			For >100 To 250, Add	*0.46*	
			For >250 To 500, Add	*0.20*	
09 97 13 23-0058		SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.46	
			For Up To 100, Add	*1.70*	
			For >100 To 250, Add	*0.80*	
			For >250 To 500, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0059	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.26	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0060	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.02	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0061	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.93	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0062	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.57	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0063	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.85	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0064	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.31	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0065	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.10	
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0066	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.60	
		For Up To 100, Add	*2.56*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0067	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.83	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0068	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.48	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0069	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.34	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0070	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.30	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	

09 97 13 23-0071 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0072	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.14	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0073	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.25	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0074	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.97	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0075	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.58	
		For Up To 100, Add	*2.29*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0076	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.20	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.58	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.39	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.51	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0080		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0027)*		
09 97 13 23-0081	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.32	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0082	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.41	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0083	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.13	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0084	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.77	
		For Up To 100, Add	*2.32*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0085	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.73	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0086	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.98	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.75	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0088	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.09	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0089		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*		
09 97 13 23-0090	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.00	
		For Up To 100, Add	*4.30*	
		For >100 To 250, Add	*2.06*	
		For >250 To 500, Add	*0.89*	
09 97 13 23-0091	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.24	
		For Up To 100, Add	*3.08*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0092	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.02	
		For Up To 100, Add	*2.92*	
		For >100 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.22	
		For Up To 100, Add	*5.20*	
		For >100 To 250, Add	*2.47*	
		For >250 To 500, Add	*1.07*	
09 97 13 23-0094		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*		
09 97 13 23-0095	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.61	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.77	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.63	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.13	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.86	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.19	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats		2.09	
		For Up To 100, Add		*1.08*	
		For >100 To 250, Add		*0.53*	
		For >250 To 500, Add		*0.23*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats		3.27	
		For Up To 100, Add		*1.94*	
		For >100 To 250, Add		*0.93*	
		For >250 To 500, Add		*0.41*	
09 97 13 23-0103		Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0027)*			
09 97 13 23-0104	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats		3.16	
		For Up To 100, Add		*2.02*	
		For >100 To 250, Add		*0.96*	
		For >250 To 500, Add		*0.42*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats		2.56	
		For Up To 100, Add		*1.60*	
		For >100 To 250, Add		*0.76*	
		For >250 To 500, Add		*0.33*	
09 97 13 23-0106	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats		2.35	
		For Up To 100, Add		*1.44*	
		For >100 To 250, Add		*0.69*	
		For >250 To 500, Add		*0.30*	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats		3.95	
		For Up To 100, Add		*2.60*	
		For >100 To 250, Add		*1.23*	
		For >250 To 500, Add		*0.53*	
09 97 13 23-0108		One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0027)*			
09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat		3.10	
		For Up To 100, Add		*2.06*	
		For >100 To 250, Add		*0.97*	
		For >250 To 500, Add		*0.42*	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat		2.16	
		For Up To 100, Add		*1.37*	
		For >100 To 250, Add		*0.65*	
		For >250 To 500, Add		*0.28*	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat		1.81	
		For Up To 100, Add		*1.11*	
		For >100 To 250, Add		*0.53*	
		For >250 To 500, Add		*0.23*	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat		3.54	
		For Up To 100, Add		*2.37*	
		For >100 To 250, Add		*1.12*	
		For >250 To 500, Add		*0.48*	
09 97 13 23-0113		One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0027)*			
09 97 13 23-0114	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat		1.58	
		For Up To 100, Add		*0.90*	
		For >100 To 250, Add		*0.44*	
		For >250 To 500, Add		*0.19*	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat		1.12	
		For Up To 100, Add		*0.59*	
		For >100 To 250, Add		*0.29*	
		For >250 To 500, Add		*0.13*	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat		1.05	
		For Up To 100, Add		*0.54*	
		For >100 To 250, Add		*0.26*	
		For >250 To 500, Add		*0.12*	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat		1.66	
		For Up To 100, Add		*0.96*	
		For >100 To 250, Add		*0.46*	
		For >250 To 500, Add		*0.20*	
09 97 13 23-0118		Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0027)*			
		Note: Installed over existing primer.			
09 97 13 23-0119	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats		2.49	
		For Up To 100, Add		*1.54*	
		For >100 To 250, Add		*0.74*	
		For >250 To 500, Add		*0.32*	
09 97 13 23-0120	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats		2.02	
		For Up To 100, Add		*1.22*	
		For >100 To 250, Add		*0.58*	
		For >250 To 500, Add		*0.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0121	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.75	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0122	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.93	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.21	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.72	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.81	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.66	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.09	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	

09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.82	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.58	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	

09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.54	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.40	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	4.83	
		For Up To 100, Add	*3.31*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.67*	

09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.82	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.82	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.03	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.56*	

09 97 13 24-0022 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0023 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.50	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.40	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	0.99	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.71	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.56	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.45	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.46	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.11	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.78	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.10	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.84	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.08	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.24	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.66	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.42	
		For Up To 100, Add	*3.15*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.64*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.68	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.24	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.32	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.31	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.11	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.92	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.84	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.71	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.87	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.88	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.57	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.61	
		For Up To 100, Add	*3.38*	
		For >100 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.68*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.21	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.00	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.00	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.82	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.54	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.26	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.07	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	

09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.98	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.70	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.62	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.39	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	

09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.85	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.43	
		For Up To 100, Add	*2.50*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.53*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.63	
		For Up To 100, Add	*4.90*	
		For >100 To 250, Add	*2.33*	
		For >250 To 500, Add	*1.01*	

09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.47	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.18	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.84	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.96	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.71	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	3.03	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	

09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.33	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.91	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	3.02	
		For Up To 100, Add	*1.95*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	

09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.59	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.45	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.50	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0085		Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*		
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.55	
		For Up To 100, Add	*2.20*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.08	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0088		One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.97	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.94	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.59	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)* Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.66	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.46	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.35	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	6.27	
		For Up To 100, Add	*4.11*	
		For >100 To 250, Add	*1.95*	
		For >250 To 500, Add	*0.84*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.16	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	1.87	
09 97 63		**Special Coatings** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 10 Information Specialties *(10)*

10 14 Signage *(10 10)*

10 14 53 Traffic Signage *(10 14)*

10 14 53 00-0001 Traffic Signs *(10 14 53)*

10 14 53 00-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 00-0001)*
Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 00-0002)*

10 14 53 00-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	52.07	15.31
		For Hi-Intensity Grade, Add	*6.44*	
		For Diamond Grade, Add	*12.23*	
10 14 53 00-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	60.37	16.19
		For Hi-Intensity Grade, Add	*8.42*	
		For Diamond Grade, Add	*15.99*	
10 14 53 00-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	65.37	17.01
		For Hi-Intensity Grade, Add	*12.85*	
		For Diamond Grade, Add	*20.38*	
10 14 53 00-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	75.87	17.90
		For Hi-Intensity Grade, Add	*4.82*	
		For Diamond Grade, Add	*26.10*	
10 14 53 00-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	101.77	18.71
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*44.40*	

10 14 53 00-0009 Other Reflectorized Traffic Signs *(10 14 53 00-0002)*
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs *(10 14 53 00-0009)*

10 14 53 00-0011	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	32.53	13.60
		For Hi-Intensity Grade, Add	*1.59*	
10 14 53 00-0012	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	35.19	13.60
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0013	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	35.19	13.60
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0014	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	37.18	13.60
		For Hi-Intensity Grade, Add	*2.99*	
10 14 53 00-0015	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	39.18	13.60
		For Hi-Intensity Grade, Add	*3.59*	
10 14 53 00-0016	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	44.85	14.46
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0017	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	60.79	14.46
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0018	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	37.85	13.60
		For Hi-Intensity Grade, Add	*3.19*	
10 14 53 00-0019	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	44.85	14.46
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0020	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	50.16	14.46
		For Hi-Intensity Grade, Add	*6.38*	
10 14 53 00-0021	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	55.48	14.46
		For Hi-Intensity Grade, Add	*7.97*	
10 14 53 00-0022	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	60.79	14.46
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0023	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	52.82	14.46
		For Hi-Intensity Grade, Add	*7.17*	
10 14 53 00-0024	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	60.79	14.46
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0025	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	70.47	15.31
		For Hi-Intensity Grade, Add	*11.96*	
10 14 53 00-0026	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	78.44	15.31
		For Hi-Intensity Grade, Add	*14.35*	
10 14 53 00-0027	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	101.18	18.71
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0028	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	109.15	18.71
		For Hi-Intensity Grade, Add	*21.52*	
10 14 53 00-0029	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	73.13	15.31
		For Hi-Intensity Grade, Add	*12.75*	
10 14 53 00-0030	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	83.76	15.31
		For Hi-Intensity Grade, Add	*15.94*	
10 14 53 00-0031	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	94.38	15.31
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0032	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	111.81	18.71
		For Hi-Intensity Grade, Add	*22.32*	
10 14 53 00-0033	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	122.44	18.71
		For Hi-Intensity Grade, Add	*25.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0034	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	133.06	18.71
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0035	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	143.69	18.71
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0036	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	97.04	15.31
		For Hi-Intensity Grade, Add	*19.93*	
10 14 53 00-0037	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	117.12	18.71
		For Hi-Intensity Grade, Add	*23.91*	
10 14 53 00-0038	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	130.41	18.71
		For Hi-Intensity Grade, Add	*27.90*	
10 14 53 00-0039	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	150.49	22.11
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0040	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	183.87	25.51
		For Hi-Intensity Grade, Add	*39.85*	
10 14 53 00-0041	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	133.06	18.71
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0042	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	155.81	22.11
		For Hi-Intensity Grade, Add	*33.48*	
10 14 53 00-0043	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	178.56	25.51
		For Hi-Intensity Grade, Add	*38.26*	
10 14 53 00-0044	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	194.50	25.51
		For Hi-Intensity Grade, Add	*43.04*	
10 14 53 00-0045	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	217.25	28.91
		For Hi-Intensity Grade, Add	*47.82*	
10 14 53 00-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	258.59	32.32
		For Hi-Intensity Grade, Add	*58.19*	
10 14 53 00-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	271.87	32.32
		For Hi-Intensity Grade, Add	*62.17*	
10 14 53 00-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	361.77	37.42
		For Hi-Intensity Grade, Add	*86.08*	
10 14 53 00-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	181.21	25.51
		For Hi-Intensity Grade, Add	*39.05*	
10 14 53 00-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	227.88	28.91
		For Hi-Intensity Grade, Add	*51.01*	
10 14 53 00-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	255.93	32.32
		For Hi-Intensity Grade, Add	*57.39*	
10 14 53 00-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	277.18	32.32
		For Hi-Intensity Grade, Add	*63.76*	
10 14 53 00-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	308.64	37.42
		For Hi-Intensity Grade, Add	*70.14*	
10 14 53 00-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	329.89	37.42
		For Hi-Intensity Grade, Add	*76.52*	
10 14 53 00-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	379.21	40.82
		For Hi-Intensity Grade, Add	*89.27*	
10 14 53 00-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	421.72	40.82
		For Hi-Intensity Grade, Add	*102.02*	
10 14 53 00-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	442.97	40.82
		For Hi-Intensity Grade, Add	*108.40*	
10 14 53 00-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	467.63	42.53
		For Hi-Intensity Grade, Add	*114.77*	
10 14 53 00-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	400.47	40.82
		For Hi-Intensity Grade, Add	*95.65*	
10 14 53 00-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	874.03	54.43
		For Hi-Intensity Grade, Add	*229.55*	
10 14 53 00-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	637.66	42.53
		For Hi-Intensity Grade, Add	*165.78*	

10 14 53 00-0062 Non-Reflectorized Traffic Signs *(10 14 53 00-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*

10 14 53 00-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign	31.81	13.60
10 14 53 00-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign	34.11	13.60
10 14 53 00-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign	34.11	13.60
10 14 53 00-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign	35.83	13.60
10 14 53 00-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign	37.56	13.60
10 14 53 00-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign	42.69	14.46
10 14 53 00-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign	56.47	14.46
10 14 53 00-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign	36.41	13.60
10 14 53 00-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign	42.69	14.46
10 14 53 00-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign	47.28	14.46
10 14 53 00-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign	51.88	14.46
10 14 53 00-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign	56.47	14.46
10 14 53 00-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign	49.58	14.46
10 14 53 00-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign	56.47	14.46
10 14 53 00-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign	65.07	15.31
10 14 53 00-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign	71.96	15.31
10 14 53 00-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign	92.54	18.71
10 14 53 00-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign	99.43	18.71
10 14 53 00-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign	67.37	15.31
10 14 53 00-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign	76.56	15.31
10 14 53 00-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign	85.74	15.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign	101.73	18.71
10 14 53 00-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign	110.92	18.71
10 14 53 00-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign	120.10	18.71
10 14 53 00-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign	129.29	18.71
10 14 53 00-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign	88.04	15.31
10 14 53 00-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign	106.32	18.71
10 14 53 00-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign	117.81	18.71
10 14 53 00-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign	136.09	22.11
10 14 53 00-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign	165.87	25.51
10 14 53 00-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign	120.10	18.71
10 14 53 00-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign	140.69	22.11
10 14 53 00-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign	161.28	25.51
10 14 53 00-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign	175.06	25.51
10 14 53 00-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign	195.65	28.91
10 14 53 00-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign	232.31	32.32
10 14 53 00-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign	243.79	32.32
10 14 53 00-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign	322.89	37.42
10 14 53 00-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign	163.57	25.51
10 14 53 00-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign	204.84	28.91
10 14 53 00-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign	230.01	32.32
10 14 53 00-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign	248.38	32.32
10 14 53 00-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign	276.96	37.42
10 14 53 00-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign	295.33	37.42
10 14 53 00-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign	338.89	40.82
10 14 53 00-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign	375.64	40.82
10 14 53 00-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign	394.01	40.82
10 14 53 00-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign	415.79	42.53
10 14 53 00-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign	357.27	40.82
10 14 53 00-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign	770.35	54.43
10 14 53 00-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign	562.78	42.53

10 14 53 00-0115 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*

10 14 53 00-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	32.00	13.60
10 14 53 00-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	34.39	13.60
10 14 53 00-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	34.39	13.60
10 14 53 00-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	36.18	13.60
10 14 53 00-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	37.98	13.60
10 14 53 00-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	43.25	14.46
10 14 53 00-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	57.59	14.46
10 14 53 00-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	36.78	13.60
10 14 53 00-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	43.25	14.46
10 14 53 00-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	48.03	14.46
10 14 53 00-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	52.81	14.46
10 14 53 00-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	57.59	14.46
10 14 53 00-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	50.42	14.46
10 14 53 00-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	57.59	14.46
10 14 53 00-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	66.48	15.31
10 14 53 00-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	73.65	15.31
10 14 53 00-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	94.79	18.71
10 14 53 00-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	101.96	18.71
10 14 53 00-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	68.87	15.31
10 14 53 00-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	78.43	15.31
10 14 53 00-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	87.99	15.31
10 14 53 00-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	104.35	18.71
10 14 53 00-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	113.91	18.71
10 14 53 00-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	123.47	18.71
10 14 53 00-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	133.04	18.71
10 14 53 00-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	90.38	15.31
10 14 53 00-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	109.13	18.71
10 14 53 00-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	121.08	18.71
10 14 53 00-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	139.84	22.11
10 14 53 00-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	170.55	25.51
10 14 53 00-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	123.47	18.71
10 14 53 00-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	144.62	22.11
10 14 53 00-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	165.77	25.51
10 14 53 00-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	180.11	25.51
10 14 53 00-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	201.26	28.91
10 14 53 00-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	239.14	32.32
10 14 53 00-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	251.09	32.32
10 14 53 00-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	333.00	37.42
10 14 53 00-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	168.16	25.51
10 14 53 00-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	210.83	28.91
10 14 53 00-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	236.75	32.32
10 14 53 00-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	255.87	32.32
10 14 53 00-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	285.20	37.42
10 14 53 00-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	304.32	37.42
10 14 53 00-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	349.37	40.82
10 14 53 00-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	387.62	40.82
10 14 53 00-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	406.74	40.82
10 14 53 00-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	429.27	42.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	368.50	40.82
10 14 53 00-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	797.31	54.43
10 14 53 00-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	582.25	42.53
10 14 53 00-0167		Aluminum Street Signs *(10 14 53 00-0001)* Note: Excludes posts.		
10 14 53 00-0168		Aluminum Engineer Grade Street Signs *(10 14 53 00-0167)*		
10 14 53 00-0169	EA	6" High, Aluminum Engineer Grade Street Sign	57.54	6.80
10 14 53 00-0170	EA	8" High, Aluminum Engineer Grade Street Sign	65.30	6.80
10 14 53 00-0171	EA	9" High, Aluminum Engineer Grade Street Sign	71.08	6.80
10 14 53 00-0172		Street Sign Accessories *(10 14 53 00-0167)*		
10 14 53 00-0173	EA	Post Cap And Single Bracket For Street Sign	17.37	3.40
10 14 53 00-0174	EA	Post Cap And Double Bracket For Street Sign	17.37	3.40
10 14 53 00-0175		Sign Posts *(10 14 53 00-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 00-0176		U-Channel Sign Posts *(10 14 53 00-0175)* Note: Excludes digging and concrete.		
10 14 53 00-0177		Baked Enamel U-Channel Sign Posts *(10 14 53 00-0176)*		
10 14 53 00-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	46.10	13.88
10 14 53 00-0179	EA	6' Baked Enamel U-Channel Sign Post	60.49	17.35
10 14 53 00-0180	EA	7' Baked Enamel U-Channel Sign Post	72.23	20.82
10 14 53 00-0181	EA	8' Baked Enamel U-Channel Sign Post	84.58	24.29
10 14 53 00-0182	EA	10' Baked Enamel U-Channel Sign Post	102.05	29.49
10 14 53 00-0183	EA	12' Baked Enamel U-Channel Sign Post	104.99	29.49
10 14 53 00-0184		Galvanized Steel U-Channel Sign Posts *(10 14 53 00-0176)*		
10 14 53 00-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	49.88	13.88
10 14 53 00-0186	EA	6' Galvanized Steel U-Channel Sign Post	66.49	17.35
10 14 53 00-0187	EA	7' Galvanized Steel U-Channel Sign Post	85.80	20.82
10 14 53 00-0188	EA	8' Galvanized Steel U-Channel Sign Post	99.58	24.29
10 14 53 00-0189	EA	10' Galvanized Steel U-Channel Sign Post	112.97	29.49
10 14 53 00-0190	EA	12' Galvanized Steel U-Channel Sign Post	114.49	29.49
10 14 53 00-0191		Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 00-0176)*		
10 14 53 00-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	45.21	13.88
10 14 53 00-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	58.55	17.35
10 14 53 00-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	69.89	20.82
10 14 53 00-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	81.79	24.29
10 14 53 00-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	96.99	29.49
10 14 53 00-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	101.99	29.49
10 14 53 00-0198		Tubular Sign Posts *(10 14 53 00-0175)* Note: Excludes digging and concrete.		
10 14 53 00-0199		2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 00-0198)*		
10 14 53 00-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	67.11	17.35
10 14 53 00-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	79.64	20.82
10 14 53 00-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	94.08	24.29
10 14 53 00-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	121.18	29.49
10 14 53 00-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.48	29.49
10 14 53 00-0205		Square Sign Posts *(10 14 53 00-0175)* Note: Excludes digging and concrete.		
10 14 53 00-0206		Galvanized Steel Square Sign Posts *(10 14 53 00-0205)*		
10 14 53 00-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	50.72	13.88
10 14 53 00-0208	EA	6' Galvanized Steel Square Sign Post	80.70	17.35
10 14 53 00-0209	EA	7' Galvanized Steel Square Sign Post	94.64	20.82
10 14 53 00-0210	EA	8' Galvanized Steel Square Sign Post	110.40	24.29
10 14 53 00-0211	EA	10' Galvanized Steel Square Sign Post	134.80	29.49
10 14 53 00-0212	EA	12' Galvanized Steel Square Sign Post	141.99	29.49
10 14 53 00-0213		Other Sign Posts And Bases *(10 14 53 00-0001)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 00-0214		2.5 LB/FT Breakaway Sign Posts And Base Posts *(10 14 53 00-0213)*		
10 14 53 00-0215		Base Posts, 2.5 LB/LF, For Breakaway Sign Posts *(10 14 53 00-0214)*		
10 14 53 00-0216	EA	Base Post for 2.5 LB/LF Breakaway Sign Post	61.58	17.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0217	EA	Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post	34.36	13.60
10 14 53 00-0218		**Breakaway Sign Posts, 2.5 LB/LF** *(10 14 53 00-0214)*		
10 14 53 00-0219	LF	2.5 LB/LF Breakaway Sign Post	6.83	1.71
10 14 53 00-0220		**4 LB/FT Breakaway Sign Posts And Base Posts** *(10 14 53 00-0213)*		
10 14 53 00-0221		**Base Posts, 4 LB/LF, For Breakaway Sign Posts** *(10 14 53 00-0220)*		
10 14 53 00-0222	EA	Base Post For 4 LB/LF Breakaway Sign Post	63.89	20.42
10 14 53 00-0223	EA	Lap Splice Hardware for 4 LB/LF Breakaway Sign Post	34.36	13.60
10 14 53 00-0224		**Breakaway Sign Posts, 4 LB/LF** *(10 14 53 00-0220)*		
10 14 53 00-0225	LF	4 LB/LF Breakaway Sign Post	8.26	1.71
10 14 53 00-0226		**Driven Sign Posts** *(10 14 53 00-0213)*		
10 14 53 00-0227		**Driven Posts, 2.5 LB/LF** *(10 14 53 00-0226)*		
10 14 53 00-0228	LF	2.5 LB/LF Driven Post	7.50	2.38
10 14 53 00-0229		**Driven Posts, 4 LB/LF** *(10 14 53 00-0226)*		
10 14 53 00-0230	LF	4 LB/LF Driven Post	9.27	2.72
10 14 53 00-0231		**Omni-Directional Breakaway System For Sign Posts And Light Poles** *(10 14 53 00-0213)*		
10 14 53 00-0232		**Omni-Directional Breakaway Systems For Signs** *(10 14 53 00-0231)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 00-0233	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	758.04	
10 14 53 00-0234	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	807.69	
10 14 53 00-0235	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	553.74	
10 14 53 00-0236	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	485.00	
10 14 53 00-0237	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	549.92	
10 14 53 00-0238	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	523.19	
10 14 53 00-0239	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	567.10	
10 14 53 00-0240		**Omni-Directional Breakaway Systems For Poles** *(10 14 53 00-0231)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 00-0241	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	263.34	
10 14 53 00-0242	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	276.08	
10 14 53 00-0243	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	286.70	
10 14 53 00-0244	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	435.35	
10 14 53 00-0245	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	38.22	
10 14 53 00-0246	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	50.96	
10 14 53 00-0247		**Wood Posts** *(10 14 53 00-0213)* Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
10 14 53 00-0248	LF	4" x 4" Pressure Treated Wood Sign Post	8.57	
10 14 53 00-0249		**Sign Post Accessories** *(10 14 53 00-0001)*		
10 14 53 00-0250		**Sign Post Brackets** *(10 14 53 00-0249)*		
10 14 53 00-0251	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	22.89	5.11
10 14 53 00-0252	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	41.30	8.51
10 14 53 00-0253	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	35.59	6.80
10 14 53 00-0254		**Sign Post Caps** *(10 14 53 00-0249)*		
10 14 53 00-0255	EA	Traffic Sign Post Cap	12.69	3.40
10 14 53 00-0256		**Sign Post Replacement Bolts** *(10 14 53 00-0249)*		
10 14 53 00-0257	EA	Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	8.79	
10 14 53 00-0258		**Reflective Panels For "U" Channel Post** *(10 14 53 00-0249)*		
10 14 53 00-0259	EA	3" x 72" Reflective Panel For "U-Channel" Post Note: Diamond grade panel including mounting hardware.	45.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0260		**Removal Of Signs** *(10 14 53)* Note: Includes structural supports.		
10 14 53 00-0261	EA	>4 To 10 SF Sign Area, Sign Removal	136.08	
10 14 53 00-0262	EA	>10 To 20 SF Sign Area, Sign Removal	326.60	
10 14 53 00-0263	EA	>20 To 40 SF Sign Area, Sign Removal	489.89	
10 14 53 00-0264	EA	>40 To 100 SF Sign Area, Sign Removal	773.02	
10 14 53 00-0265		**Remove And Reinstall Signs** *(10 14 53)* Note: Includes structural supports.		
10 14 53 00-0266	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	207.42	
10 14 53 00-0267	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	492.24	
10 14 53 00-0268	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	736.83	
10 14 53 00-0269	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,161.39	
10 14 53 00-0270	EA	Removal And Reinstallation Of Street Sign On Post	78.25	
10 14 53 00-0271	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	275.44	
10 14 53 00-0272		**Traffic Signs (Monterey County)** *(10 14 53)*		
10 14 53 00-0273	EA	Roadside Sign-One Post (Monterey County)	293.47	20.82
10 14 53 00-0274	EA	Install Roadside Sign Panel On Existing Post (Monterey County)	152.69	

END OF SECTION 10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 60 Entertainment and Recreation Equipment *(11)*

11 68 Play Field Equipment And Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	186.96	46.15
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	266.89	46.15

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

11 68 13 00-0006 Steel See-Saw *(11 68 13 00-0005)*

11 68 13 00-0007	EA	2 Unit Steel See-Saw	1,489.53	284.00
11 68 13 00-0008	EA	4 Unit Steel See-Saw	2,311.15	335.63
11 68 13 00-0009	EA	6 Unit Steel See-Saw	3,159.52	410.22

11 68 13 00-0010 14' Long Laminated Beam *(11 68 13 00-0005)*

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,488.44	251.12
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,061.32	223.70

11 68 13 00-0013 Slides *(11 68 13 00-0001)*

11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	1,768.29	324.76
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	2,492.45	461.50
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	2,761.84	512.77
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	3,403.79	568.02
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	4,936.45	893.52
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	9,760.26	921.76
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	12,161.88	968.79

11 68 13 00-0021 Whirlers *(11 68 13 00-0001)*

11 68 13 00-0022	EA	8' Diameter Whirler	3,887.78	615.32
11 68 13 00-0023	EA	10' Diameter Whirler	4,534.33	738.39

11 68 13 00-0024 Other Standalone Playground Equipment *(11 68 13 00-0001)*

11 68 13 00-0025 Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*

11 68 13 00-0026	EA	Horizontal Ladder	1,194.15	164.44
11 68 13 00-0027	EA	Tether Ball Post	209.43	32.13
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	326.05	56.82
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	2,602.63	160.53
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	398.11	85.81
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	530.04	102.57
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	713.70	136.76
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,036.35	188.04
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,012.97	78.29
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,114.26	84.52
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,095.10	90.60
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	675.42	77.95
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	839.25	102.08
11 68 13 00-0039	EA	Coil Spring Assembly Only	287.49	37.54
11 68 13 00-0040	EA	"C" Spring Assembly Only	191.09	25.02
11 68 13 00-0041	EA	Rubber Spring Assembly Only	214.50	48.82
11 68 13 00-0042	EA	Footbuck Assembly Only	49.70	6.57
11 68 13 00-0043	EA	Replacement Animal Only	700.01	53.20
11 68 13 00-0044	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	1,239.20	93.88

11 68 13 00-0045 Freestanding Panels *(11 68 13 00-0024)*

Note: Rotomolded polyethylene.

11 68 13 00-0046	EA	Tic-Tac-Toe Panel	527.82	40.21
11 68 13 00-0047	EA	24" Bubble Panel	790.69	60.24
11 68 13 00-0048	EA	Fire Engine Panel	1,160.37	88.41
11 68 13 00-0049	EA	Flat Mirror Panel	928.31	70.76
11 68 13 00-0050	EA	Wavy Mirror Panel	1,373.96	104.75
11 68 13 00-0051	EA	Paint Time Panel	891.33	67.97
11 68 13 00-0052	EA	Phone Time Panel	632.56	48.21
11 68 13 00-0053	EA	Phone Time With Graphic Panel	632.56	48.21
11 68 13 00-0054	EA	Race Time Panel	1,109.02	84.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0055	EA	Rescue 911 Panel	1,124.69	84.52
11 68 13 00-0056	EA	Eastern/Central/Western States Panel	605.86	46.16
11 68 13 00-0057	EA	Career People Panel	688.00	52.44
11 68 13 00-0058	EA	Solar System Panel	688.00	52.44
11 68 13 00-0059	EA	Animals Panel	688.00	52.44
11 68 13 00-0060		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0061	EA	3-1/2" Outside Diameter End Panel Upright	170.40	22.56
11 68 13 00-0062	EA	3-1/2" Outside Diameter 90 Degree Upright	184.60	24.41
11 68 13 00-0063	EA	3-1/2" Outside Diameter 180 Degree Upright	184.60	24.41
11 68 13 00-0064	EA	3-1/2" Outside Diameter "T-Shaped" Upright	196.45	25.98
11 68 13 00-0065		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0066	EA	12' Single Metal Coaster With Four Posts	4,058.15	273.50
11 68 13 00-0067	EA	18' Single Metal Coaster With Four Posts	4,561.74	341.88
11 68 13 00-0068	EA	12' Double Metal Coaster With Four Posts	6,543.25	410.26
11 68 13 00-0069	EA	18' Double Metal Coaster With Four Posts	7,471.78	512.83
11 68 13 00-0070		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0071	EA	Tower Climber, 3.17' Diameter x 7.25' High	831.39	182.70
11 68 13 00-0072	EA	Arch Climber, 2' x 12' x 4.5' High	768.20	223.73
11 68 13 00-0073	EA	Arch Climber, 2' x 15' x 5.83' High	824.06	182.70
11 68 13 00-0074	EA	Arch Climber, 2' x 17' x 6.58' High	876.95	223.73
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 4' High	930.83	182.50
11 68 13 00-0076	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,028.75	182.56
11 68 13 00-0077	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,178.70	182.56
11 68 13 00-0078	EA	Rainbow Climber, 2' x 15'-4" x 7' High	1,276.78	182.50
11 68 13 00-0079	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,536.24	213.68
11 68 13 00-0080	EA	12' Long Horizontal Ladder Climber	1,241.39	159.50
11 68 13 00-0081	EA	14' Long Horizontal Ladder Climber	1,257.89	159.50
11 68 13 00-0082	EA	16' Long Horizontal Ladder Climber	1,367.16	159.50
11 68 13 00-0083	EA	Bell Climber, 7'-5" High With Double Bars	1,322.08	205.13
11 68 13 00-0084	EA	2-Way Climber	1,116.32	164.44
11 68 13 00-0085	EA	4-Way Climber	1,709.48	164.44
11 68 13 00-0086		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0087		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0086)* Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088	EA	8' High Top Rail, One Section Two Seats	1,091.56	251.12
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*124.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*131.20*	
11 68 13 00-0089	EA	8' High Top Rail, Two Sections Four Seats	1,727.83	359.35
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*198.03*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*212.63*	
11 68 13 00-0090	EA	8' High Top Rail, Three Sections, Six Seats	2,395.18	528.77
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*274.21*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*293.21*	
11 68 13 00-0091	EA	8' High Top Rail, Four Sections, Eight Seats	2,991.74	615.32
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*343.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*369.69*	
11 68 13 00-0092	EA	10' High Top Rail, One Section Two Seats	1,154.77	251.12
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*132.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*142.26*	
11 68 13 00-0093	EA	10' High Top Rail, Two Section Four Seats	1,816.82	382.73
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*207.44*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*219.65*	
11 68 13 00-0094	EA	10' High Top Rail, Three Sections, Six Seats	2,523.09	594.34
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*287.07*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*299.98*	
11 68 13 00-0095	EA	10' High Top Rail, Four Sections, Eight Seats	3,322.91	717.88
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*379.46*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*401.97*	
11 68 13 00-0096		**Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0086)* Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA	8' High Top Rail, One Section, Two Seats	1,218.23	221.79
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*141.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*157.74*	
11 68 13 00-0098	EA	8' High Top Rail, Two Sections, Four Seats	1,768.08	321.81
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*204.92*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*228.96*	
11 68 13 00-0099	EA	8' High Top Rail, Three Sections, Six Seats	2,359.49	430.39
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*273.42*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*305.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats	2,933.23	512.77
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*341.01*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*385.10*	
11 68 13 00-0101	EA	10' High Top Rail, One Section, Two Seats	1,373.70	249.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*159.22*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*177.91*	
11 68 13 00-0102	EA	10' High Top Rail, One Section Three Seats	1,429.67	265.06
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*166.08*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*187.06*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats	1,918.37	349.92
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*222.30*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*248.23*	
11 68 13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats	2,285.72	403.38
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*266.50*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*303.91*	
11 68 13 00-0105	EA	10' High Top Rail, Three Section, Six Seats	2,553.43	465.52
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*295.90*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*330.46*	
11 68 13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats	3,139.51	512.97
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*366.80*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*421.20*	
11 68 13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats	3,253.76	615.32
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*375.95*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*415.54*	
11 68 13 00-0108	EA	12' High Top Rail, One Section Three Seats	1,492.00	271.50
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*173.57*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*196.43*	
11 68 13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats	2,424.31	436.81
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*282.23*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*320.21*	
11 68 13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats	3,578.21	699.63
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*413.09*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*455.26*	

11 68 13 00-0111 Swing Accessories *(11 68 13 00-0086)*

11 68 13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	330.23	20.61
11 68 13 00-0113	EA	Bucket Seat With Chain And Hardware	274.53	17.14
11 68 13 00-0114	EA	Belt Seat With Chain And Hardware	292.43	18.30
11 68 13 00-0115	EA	Seat With Chain And Hardware	288.46	18.03
11 68 13 00-0116	EA	Wide Seat With Chain And Hardware	304.48	19.04
11 68 13 00-0117	EA	Handi Seat With Chain And Hardware	909.13	56.80
11 68 13 00-0118	LF	0.4 LB/LF Replacement Chain	3.92	0.41
11 68 13 00-0119	LF	1 LB/LF Replacement Chain	7.28	0.81
11 68 13 00-0120	EA	Swing Hanger Replacement	42.52	4.70

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	1,440.04	184.80
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	2,630.52	203.27
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	1,895.77	184.80
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	2,334.80	203.27
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230)	2,990.06	271.76
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230)	3,874.40	298.94
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0008 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	24.91	6.84
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000)	40.64	6.84
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000)	101.70	34.19
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	191.59	15.39
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	812.55	29.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	866.51	29.06
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	622.23	25.64
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	471.13	25.64

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	761.30	116.23
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	919.97	116.23
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	946.41	116.23
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	992.14	116.23
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,154.96	116.23
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	188.31	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	208.07	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	376.83	114.86
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	408.39	114.86
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	848.57	176.74
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	50.54	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	3,059.47	307.70
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	4,405.92	452.25
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	5,264.77	542.69

11 68 33 23 Soccer And Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	2,806.02	205.11
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	3,393.12	307.70

11 68 33 33 Baseball Field Equipment *(11 68 33)*

11 68 33 33-0001 Bases *(11 68 33 33)*

11 68 33 33-0002	SET	Bases For Baseball Or Softball	314.36	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001 Electric Incinerator *(11 82 19)*

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	21,853.96	822.16
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	44,693.63	1,644.33
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	149,289.16	2,466.49

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 110 Volt Compactors *(11 82 26)*

11 82 26 00-0002	EA	Waste Compactor, 110 Volt At 75 LB/Hour	11,891.70	421.53
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 250 LB/Hour	15,154.95	1,011.69

11 82 26 00-0004 230 Volt Compactors *(11 82 26)*

11 82 26 00-0005	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	15,311.99	1,348.92
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	17,405.79	1,770.45

11 82 26 00-0007 Trash Compactors *(11 82 26)*

11 82 26 00-0008	EA	Trash Compactor, Small	2,638.74	234.91
11 82 26 00-0009	EA	Trash Compactor, Large	3,246.43	265.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 40 Integrated Construction *(13)*

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 Anodes *(13 47 13 13)*

13 47 13 13-0002 Magnesium Type, Conventional *(13 47 13 13-0001)*

13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	293.59	126.79
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	436.56	183.26
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	598.88	235.76
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	853.83	329.87

13 47 13 13-0007 Graphite Type *(13 47 13 13-0001)*
Note: Includes epoxy cap.

13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	451.46	183.03
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	708.36	255.59
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	538.58	159.95
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	830.76	213.54

13 47 13 13-0012 High Silicon Cast Iron Type *(13 47 13 13-0001)*

13 47 13 13-0013	EA	2.66" x 84" High Silicon Cast Iron Anode, 70 LB	1,240.07	255.59

13 47 13 13-0014 Metal Oxide Type *(13 47 13 13-0001)*

13 47 13 13-0015	EA	1" x 60" Mixed Metal Oxide Anode, 5 LB Note: Includes center connected #8 HMWPE/HALAR Lead wire.	619.95	126.79

13 47 13 13-0016 Rectifiers *(13 47 13 13)*

13 47 13 13-0017 Air Cooled, Silicon Type *(13 47 13 13-0016)*

13 47 13 13-0018	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,317.91	259.73
13 47 13 13-0019	EA	Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,417.56	259.73

13 47 13 13-0020 Oil Immersed, Silicon Type *(13 47 13 13-0016)*

13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type	1,952.48	300.32
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type	2,059.26	300.32

13 47 13 13-0023 Anode Backfill *(13 47 13 13)*

13 47 13 13-0024	LB	Anode Backfill, Coke Breeze	0.87	0.33

13 47 13 13-0025 Cathodic Protection Cable *(13 47 13 13)*

13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 8	1,578.70	639.80
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 6	1,711.15	639.80
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 4	1,909.82	639.80
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 2	2,240.95	639.80
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 1	2,731.84	704.93
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2-No 1/0	2,980.19	704.93
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 2/0	3,394.09	704.93
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 4/0	4,513.87	768.41

13 47 13 13-0034 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0035 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0034)*

13 47 13 13-0036	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	235.15	74.85

13 47 13 16 Cathodic Protection For Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 05 Common Work Results for Plumbing *(22)*

22 05 23 General-Duty Valves For Plumbing Piping *(22 05)*

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve *(22 05 23)*

22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0003	EA	3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	167.01	10.07
22 05 23 00-0004	EA	1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	188.22	11.44

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0006	EA	1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	218.58	12.17
22 05 23 00-0007	EA	1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	297.99	14.09

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0009	EA	3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	209.03	10.07
22 05 23 00-0010	EA	1" 60 PSI Threaded Earthquake Gas Shutoff Valve	217.40	11.44
22 05 23 00-0011	EA	1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	241.93	12.17
22 05 23 00-0012	EA	1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	333.01	14.09
22 05 23 00-0013	EA	2" 60 PSI Threaded Earthquake Gas Shutoff Valve	783.51	16.65
22 05 23 00-0014	EA	2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	929.00	22.41
22 05 23 00-0015	EA	3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,209.24	26.11
22 05 23 00-0016	EA	4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,402.15	29.48

22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0018	EA	2" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,086.27	121.98
22 05 23 00-0019	EA	3" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,340.57	143.19
22 05 23 00-0020	EA	4" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,876.54	240.05
22 05 23 00-0021	EA	6" 60 PSI Flanged Earthquake Gas Shutoff Valve	3,102.90	286.95
22 05 23 00-0022	EA	8" 60 PSI Flanged Earthquake Gas Shutoff Valve	8,509.15	366.66

22 05 23 00-0023 Regulators, Clay Valve *(22 05 23)*

22 05 23 00-0024	EA	4" Regulator - Clay Valve	1,206.37	
22 05 23 00-0025	EA	8" Regulator - Clay Valve	1,637.36	
22 05 23 00-0026	EA	10" Regulator - Clay Valve	2,256.99	
22 05 23 00-0027	EA	12" Regulator - Clay Valve	2,769.89	
22 05 23 00-0028	EA	18" Regulator - Clay Valve	4,667.20	
22 05 23 00-0029	EA	24" Regulator - Clay Valve	7,512.44	

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	299.54	48.68
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	332.61	61.04
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	412.79	73.75
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	567.61	82.53
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	685.75	89.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	337.34	48.68
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	370.94	60.95
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	451.19	73.75
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	606.06	82.53
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	724.12	89.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	53.30	15.28
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	59.40	18.30
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	72.98	20.59
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	111.15	22.88
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	157.73	25.16
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	138.50	15.28
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	191.03	16.02
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	203.85	16.93
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	228.43	19.22
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	138.50	15.28
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	191.03	16.02
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	203.85	16.93
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	228.43	19.22
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	135.00	15.28
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	179.53	16.02
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	246.35	16.93
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	296.43	19.22
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	223.94	48.68
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	261.74	60.95
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	335.39	73.75
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	706.12	89.41
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	350.54	48.68
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	388.34	60.95
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	453.59	73.75
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	877.12	89.41
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*59.20*	

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	183.41	39.81
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	203.93	43.46
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	270.99	57.19
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	387.43	67.72
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	622.14	80.07

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	33.96	11.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	38.80	12.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	56.00	13.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	63.59	16.02
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	72.17	18.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	94.25	20.59
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	128.32	22.88
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	197.83	25.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	272.41	27.45
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	26.85	11.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	27.54	11.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	30.17	12.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	34.41	13.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	40.86	16.02
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	48.56	18.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	52.39	19.28
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	56.66	20.59
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	77.99	22.88
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	26.31	11.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	27.07	11.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	31.67	12.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	34.63	13.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	40.21	16.02
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	47.54	18.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	56.10	20.59
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	69.00	22.88
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Insulation Protective Jacketing *(22 07 19)*
Note: Jacketing only and must be added to insulation prices.

22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*

22 07 19 00-0003 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0002)*

22 07 19 00-0004	SF	0.006" Aluminum Insulation Jacket With Bands	13.51	5.82
22 07 19 00-0005	SF	0.016" Aluminum Insulation Jacket With Bands	13.85	5.82

22 07 19 00-0006 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0007	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	6.88	1.65
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0008	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	7.12	1.69
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0009	LF	1" ID, 0.016" Aluminum Insulation Jacketing	7.36	1.73
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0010	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.60	1.77
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0011	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.79	1.80
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0012	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	7.98	1.83
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0013	LF	2" ID, 0.016" Aluminum Insulation Jacketing	8.21	1.86
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0014	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.45	1.90
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0015	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.70	1.94
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0016	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.91	1.97
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0017	LF	3" ID, 0.016" Aluminum Insulation Jacketing	9.17	2.02
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0018	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.44	2.06
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0019	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.71	2.11
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0020	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.94	2.15
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0021	LF	4" ID, 0.016" Aluminum Insulation Jacketing	10.22	2.20
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0022	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.52	2.26
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0023	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.85	2.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0024	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.11	2.36
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0025	LF	5" ID, 0.016" Aluminum Insulation Jacketing	11.44	2.42
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0026	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.78	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0027	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.07	2.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0028	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.45	2.62
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0029	LF	6" ID, 0.016" Aluminum Insulation Jacketing	12.84	2.70
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0030	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.09	2.74
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0031	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.34	2.78
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0032	LF	7" ID, 0.016" Aluminum Insulation Jacketing	13.75	2.84
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0033	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.10	2.91
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0034	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.37	2.96
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0035	LF	8" ID, 0.016" Aluminum Insulation Jacketing	14.73	3.01
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0036	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.08	3.06
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0037	LF	9" ID, 0.016" Aluminum Insulation Jacketing	15.57	3.14
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0038	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.95	3.19
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0039	LF	10" ID, 0.016" Aluminum Insulation Jacketing	16.34	3.25
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0040	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.73	3.31
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0041	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	17.26	3.40
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0042	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.69	3.46
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0043	LF	12" ID, 0.016" Aluminum Insulation Jacketing	18.13	3.53
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0044	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	18.71	3.64
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0045	LF	13" ID, 0.016" Aluminum Insulation Jacketing	19.02	3.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0046	LF	14" ID, 0.016" Aluminum Insulation Jacketing	19.50	3.71
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0047	LF	15" ID, 0.016" Aluminum Insulation Jacketing	20.12	3.79
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0048	LF	16" ID, 0.016" Aluminum Insulation Jacketing	20.61	3.83
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0049	LF	17" ID, 0.016" Aluminum Insulation Jacketing	21.26	3.91
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0050	LF	18" ID, 0.016" Aluminum Insulation Jacketing	21.66	3.95
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0051	LF	19" ID, 0.016" Aluminum Insulation Jacketing	22.44	4.04
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0052	LF	20" ID, 0.016" Aluminum Insulation Jacketing	22.95	4.08
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0053	LF	21" ID, 0.016" Aluminum Insulation Jacketing	23.64	4.19
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0054	LF	22" ID, 0.016" Aluminum Insulation Jacketing	24.15	4.23
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0055	LF	23" ID, 0.016" Aluminum Insulation Jacketing	24.88	4.33
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0056	LF	24" ID, 0.016" Aluminum Insulation Jacketing	25.42	4.39
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	

22 07 19 00-0057 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0058	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	7.61	1.82
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0059	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	7.88	1.86
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0060	LF	1" ID, 0.020" Aluminum Insulation Jacketing	8.17	1.90
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0061	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	8.46	1.95
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0062	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	8.67	1.98
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0063	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	8.89	2.01
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0064	LF	2" ID, 0.020" Aluminum Insulation Jacketing	9.16	2.05
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0065	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	9.43	2.09
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0066	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	9.73	2.14
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0067	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	9.96	2.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0068	LF	3" ID, 0.020" Aluminum Insulation Jacketing	10.27	2.22
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0069	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.58	2.27
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0070	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.90	2.32
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0071	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.16	2.36
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0072	LF	4" ID, 0.020" Aluminum Insulation Jacketing	11.49	2.42
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0073	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	11.83	2.49
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0074	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.20	2.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0075	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	12.50	2.60
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0076	LF	5" ID, 0.020" Aluminum Insulation Jacketing	12.87	2.67
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0077	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.27	2.74
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0078	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.60	2.80
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0079	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.04	2.88
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0080	LF	6" ID, 0.020" Aluminum Insulation Jacketing	14.48	2.97
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0081	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.76	3.01
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0082	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.04	3.06
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0083	LF	7" ID, 0.020" Aluminum Insulation Jacketing	15.53	3.13
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0084	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.92	3.20
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0085	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.24	3.25
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0086	LF	8" ID, 0.020" Aluminum Insulation Jacketing	16.67	3.31
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0087	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.08	3.36
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0088	LF	9" ID, 0.020" Aluminum Insulation Jacketing	17.63	3.45
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0089	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.08	3.51
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0090	LF	10" ID, 0.020" Aluminum Insulation Jacketing	18.54	3.57
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0091	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.01	3.63
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0092	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	19.62	3.74
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0093	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	20.12	3.81
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0094	LF	12" ID, 0.020" Aluminum Insulation Jacketing	20.61	3.88
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0095	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	21.29	4.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0096	LF	13" ID, 0.020" Aluminum Insulation Jacketing	21.66	4.04
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0097	LF	14" ID, 0.020" Aluminum Insulation Jacketing	22.24	4.08
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0098	LF	15" ID, 0.020" Aluminum Insulation Jacketing	22.98	4.17
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0099	LF	16" ID, 0.020" Aluminum Insulation Jacketing	23.57	4.22
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0100	LF	17" ID, 0.020" Aluminum Insulation Jacketing	24.34	4.31
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0101	LF	18" ID, 0.020" Aluminum Insulation Jacketing	24.81	4.35
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0102	LF	19" ID, 0.020" Aluminum Insulation Jacketing	25.74	4.45
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0103	LF	20" ID, 0.020" Aluminum Insulation Jacketing	26.36	4.50
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0104	LF	21" ID, 0.020" Aluminum Insulation Jacketing	27.18	4.60
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0105	LF	22" ID, 0.020" Aluminum Insulation Jacketing	27.80	4.65
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0106	LF	23" ID, 0.020" Aluminum Insulation Jacketing	28.66	4.76
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0107	LF	24" ID, 0.020" Aluminum Insulation Jacketing	29.30	4.82
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	

22 07 19 00-0108 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0109	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	8.35	1.98
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0110	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	8.65	2.03
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0111	LF	1" ID, 0.024" Aluminum Insulation Jacketing	8.96	2.08
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0112	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.29	2.13
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0113	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	9.54	2.16
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0114	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	9.79	2.19
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0115	LF	2" ID, 0.024" Aluminum Insulation Jacketing	10.09	2.23
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0116	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	10.40	2.28
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0117	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	10.74	2.33
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0118	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	11.01	2.37
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0119	LF	3" ID, 0.024" Aluminum Insulation Jacketing	11.36	2.42
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0120	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	11.70	2.48
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0121	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.05	2.54
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0122	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	12.35	2.59
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0123	LF	4" ID, 0.024" Aluminum Insulation Jacketing	12.72	2.65
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0124	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.11	2.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0125	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.52	2.78
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0126	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	13.86	2.84
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0127	LF	5" ID, 0.024" Aluminum Insulation Jacketing	14.28	2.91
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0128	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	14.72	2.99
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0129	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.09	3.05
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0130	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	15.58	3.14
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0131	LF	6" ID, 0.024" Aluminum Insulation Jacketing	16.08	3.23
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0132	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.40	3.28
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0133	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.72	3.33
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0134	LF	7" ID, 0.024" Aluminum Insulation Jacketing	17.26	3.41
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0135	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	17.70	3.49
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0136	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.06	3.55
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0137	LF	8" ID, 0.024" Aluminum Insulation Jacketing	18.54	3.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0138	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.02	3.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0139	LF	9" ID, 0.024" Aluminum Insulation Jacketing	19.64	3.76
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0140	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	20.16	3.83
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0141	LF	10" ID, 0.024" Aluminum Insulation Jacketing	20.67	3.89
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0142	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	21.21	3.96
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0143	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	21.90	4.07
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0144	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.47	4.16
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0145	LF	12" ID, 0.024" Aluminum Insulation Jacketing	23.03	4.24
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0146	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	23.78	4.37
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0147	LF	13" ID, 0.024" Aluminum Insulation Jacketing	24.21	4.41
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0148	LF	14" ID, 0.024" Aluminum Insulation Jacketing	24.89	4.46
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0149	LF	15" ID, 0.024" Aluminum Insulation Jacketing	25.74	4.55
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0150	LF	16" ID, 0.024" Aluminum Insulation Jacketing	26.44	4.60
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0151	LF	17" ID, 0.024" Aluminum Insulation Jacketing	27.31	4.69
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0152	LF	18" ID, 0.024" Aluminum Insulation Jacketing	27.85	4.75
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0153	LF	19" ID, 0.024" Aluminum Insulation Jacketing	28.93	4.85
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0154	LF	20" ID, 0.024" Aluminum Insulation Jacketing	29.65	4.90
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0155	LF	21" ID, 0.024" Aluminum Insulation Jacketing	30.58	5.02
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0156	LF	22" ID, 0.024" Aluminum Insulation Jacketing	31.30	5.07
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0157	LF	23" ID, 0.024" Aluminum Insulation Jacketing	32.30	5.19
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0158	LF	24" ID, 0.024" Aluminum Insulation Jacketing	33.03	5.26
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	

22 07 19 00-0159 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0160	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	9.34	2.20
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0161	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	9.71	2.25
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0162	LF	1" ID, 0.032" Aluminum Insulation Jacketing	10.10	2.30
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0163	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	10.48	2.36
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0164	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	10.78	2.39
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0165	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	11.09	2.43
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0166	LF	2" ID, 0.032" Aluminum Insulation Jacketing	11.45	2.49
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0167	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	11.82	2.54
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0168	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	12.22	2.59
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0169	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	12.55	2.63
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0170	LF	3" ID, 0.032" Aluminum Insulation Jacketing	12.96	2.69
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0171	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	13.39	2.75
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0172	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	13.80	2.82
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0173	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	14.16	2.86
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0174	LF	4" ID, 0.032" Aluminum Insulation Jacketing	14.61	2.93
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0175	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	15.06	3.01
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0176	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	15.54	3.08
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0177	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	15.96	3.14
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0178	LF	5" ID, 0.032" Aluminum Insulation Jacketing	16.45	3.23
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0179	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	16.96	3.31
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0180	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	17.41	3.38
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0181	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	17.98	3.48
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0182	LF	6" ID, 0.032" Aluminum Insulation Jacketing	18.56	3.58
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0183	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	18.94	3.64
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0184	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.32	3.69
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0185	LF	7" ID, 0.032" Aluminum Insulation Jacketing	19.97	3.78
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0186	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	20.50	3.87
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0187	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	20.91	3.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0188	LF	8" ID, 0.032" Aluminum Insulation Jacketing	21.52	4.00
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0189	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	22.09	4.06
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0190	LF	9" ID, 0.032" Aluminum Insulation Jacketing	22.84	4.17
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0191	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	23.48	4.25
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0192	LF	10" ID, 0.032" Aluminum Insulation Jacketing	24.10	4.32
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0193	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.75	4.40
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0194	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	25.57	4.52
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0195	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	26.26	4.61
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0196	LF	12" ID, 0.032" Aluminum Insulation Jacketing	26.94	4.70
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0197	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.84	4.84
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0198	LF	13" ID, 0.032" Aluminum Insulation Jacketing	28.36	4.89
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0199	LF	14" ID, 0.032" Aluminum Insulation Jacketing	29.23	4.94
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0200	LF	15" ID, 0.032" Aluminum Insulation Jacketing	30.29	5.04
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0201	LF	16" ID, 0.032" Aluminum Insulation Jacketing	31.17	5.09
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0202	LF	17" ID, 0.032" Aluminum Insulation Jacketing	32.27	5.20
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0203	LF	18" ID, 0.032" Aluminum Insulation Jacketing	32.94	5.26
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0204	LF	19" ID, 0.032" Aluminum Insulation Jacketing	34.29	5.37
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0205	LF	20" ID, 0.032" Aluminum Insulation Jacketing	35.20	5.43
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0206	LF	21" ID, 0.032" Aluminum Insulation Jacketing	36.36	5.56
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0207	LF	22" ID, 0.032" Aluminum Insulation Jacketing	37.27	5.62
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0208	LF	23" ID, 0.032" Aluminum Insulation Jacketing	38.48	5.75
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0209	LF	24" ID, 0.032" Aluminum Insulation Jacketing	39.41	5.83
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0210		40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*		
22 07 19 00-0211	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	10.81	2.53
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0212	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	11.25	2.59
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0213	LF	1" ID, 0.040" Aluminum Insulation Jacketing	11.70	2.65
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0214	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	12.17	2.72
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0215	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	12.53	2.76
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0216	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	12.91	2.80
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0217	LF	2" ID, 0.040" Aluminum Insulation Jacketing	13.34	2.86
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0218	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	13.77	2.92
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0219	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	14.26	2.98
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0220	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	14.65	3.03
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0221	LF	3" ID, 0.040" Aluminum Insulation Jacketing	15.15	3.09
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0222	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	15.65	3.16
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0223	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	16.14	3.24
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0224	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	16.57	3.29
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0225	LF	4" ID, 0.040" Aluminum Insulation Jacketing	17.10	3.37
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0226	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	17.63	3.46
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0227	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	18.22	3.54
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0228	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	18.71	3.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0229	LF	5" ID, 0.040" Aluminum Insulation Jacketing	19.29	3.71
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0230	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	19.90	3.81
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0231	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	20.42	3.89
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0232	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	21.11	4.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0233	LF	6" ID, 0.040" Aluminum Insulation Jacketing	21.79	4.12
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0234	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	22.23	4.19
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0235	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	22.70	4.25
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0236	LF	7" ID, 0.040" Aluminum Insulation Jacketing	23.47	4.35
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0237	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	24.11	4.45
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0238	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	24.60	4.53
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0239	LF	8" ID, 0.040" Aluminum Insulation Jacketing	25.32	4.60
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0240	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	26.02	4.68
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0241	LF	9" ID, 0.040" Aluminum Insulation Jacketing	26.92	4.80
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0242	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.70	4.88
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0243	LF	10" ID, 0.040" Aluminum Insulation Jacketing	28.45	4.97
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0244	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	29.22	5.06
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0245	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	30.21	5.20
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0246	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.03	5.30
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0247	LF	12" ID, 0.040" Aluminum Insulation Jacketing	31.85	5.40
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0248	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	32.90	5.56
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0249	LF	13" ID, 0.040" Aluminum Insulation Jacketing	33.55	5.62
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0250	LF	14" ID, 0.040" Aluminum Insulation Jacketing	34.62	5.67
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0251	LF	15" ID, 0.040" Aluminum Insulation Jacketing	35.91	5.80
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0252	LF	16" ID, 0.040" Aluminum Insulation Jacketing	37.00	5.86
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0253	LF	17" ID, 0.040" Aluminum Insulation Jacketing	38.32	5.99
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0254	LF	18" ID, 0.040" Aluminum Insulation Jacketing	39.15	6.05
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0255	LF	19" ID, 0.040" Aluminum Insulation Jacketing	40.78	6.19
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0256	LF	20" ID, 0.040" Aluminum Insulation Jacketing	41.91	6.25
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0257	LF	21" ID, 0.040" Aluminum Insulation Jacketing	43.30	6.40
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0258	LF	22" ID, 0.040" Aluminum Insulation Jacketing	44.42	6.47
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0259	LF	23" ID, 0.040" Aluminum Insulation Jacketing	45.88	6.62
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0260	LF	24" ID, 0.040" Aluminum Insulation Jacketing	47.02	6.70
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	

22 07 19 00-0261 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0002)*

22 07 19 00-0262	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.45	2.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0263	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.83	2.70
22 07 19 00-0264	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.30	2.80
22 07 19 00-0265	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.48	2.84
22 07 19 00-0266	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.66	2.89
22 07 19 00-0267	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.94	2.96
22 07 19 00-0268	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.66	3.03
22 07 19 00-0269	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.98	3.11
22 07 19 00-0270	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.20	3.16
22 07 19 00-0271	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.60	3.22
22 07 19 00-0272	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.25	3.31
22 07 19 00-0273	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.70	3.37
22 07 19 00-0274	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.95	3.43
22 07 19 00-0275	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.21	3.50
22 07 19 00-0276	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.42	3.56
22 07 19 00-0277	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.95	3.64
22 07 19 00-0278	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.71	3.75
22 07 19 00-0279	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.02	3.83
22 07 19 00-0280	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.81	3.95
22 07 19 00-0281	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.16	4.04
22 07 19 00-0282	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.75	4.19
22 07 19 00-0283	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.71	4.28
22 07 19 00-0284	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.91	4.33
22 07 19 00-0285	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.00	4.39
22 07 19 00-0286	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.75	4.44
22 07 19 00-0287	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.77	4.55
22 07 19 00-0288	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.23	4.66
22 07 19 00-0289	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.65	4.72
22 07 19 00-0290	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.91	4.79
22 07 19 00-0291	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.63	4.85
22 07 19 00-0292	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.89	4.92
22 07 19 00-0293	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.47	5.05
22 07 19 00-0294	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.76	5.12
22 07 19 00-0295	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	66.07	5.27
22 07 19 00-0296	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	66.37	5.35
22 07 19 00-0297	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	82.36	5.51
22 07 19 00-0298	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	85.79	5.68
22 07 19 00-0299	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	91.88	5.77
22 07 19 00-0300	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.77	2.89
22 07 19 00-0301	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.05	2.96
22 07 19 00-0302	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.89	3.03
22 07 19 00-0303	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.21	3.11
22 07 19 00-0304	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	18.09	3.16
22 07 19 00-0305	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.32	3.22
22 07 19 00-0306	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.75	3.31
22 07 19 00-0307	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.78	3.37
22 07 19 00-0308	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.03	3.43
22 07 19 00-0309	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.29	3.50
22 07 19 00-0310	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.68	3.56
22 07 19 00-0311	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.96	3.64
22 07 19 00-0312	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.77	3.75
22 07 19 00-0313	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.59	3.95
22 07 19 00-0314	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.45	4.19
22 07 19 00-0315	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.84	4.28
22 07 19 00-0316	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.36	4.39
22 07 19 00-0317	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.57	4.44
22 07 19 00-0318	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	31.66	4.55
22 07 19 00-0319	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.12	4.66
22 07 19 00-0320	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.59	4.72
22 07 19 00-0321	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.85	4.79
22 07 19 00-0322	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.89	4.85
22 07 19 00-0323	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.15	4.92
22 07 19 00-0324	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.21	5.05
22 07 19 00-0325	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.50	5.12
22 07 19 00-0326	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.05	5.35
22 07 19 00-0327	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.30	5.51
22 07 19 00-0328	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	69.35	5.68
22 07 19 00-0329	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.63	5.77
22 07 19 00-0330	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	72.81	5.87
22 07 19 00-0331	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	80.14	5.97
22 07 19 00-0332	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	93.01	6.07
22 07 19 00-0333	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	91.16	6.17
22 07 19 00-0334	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	96.87	6.27
22 07 19 00-0335	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	45.51	4.13
22 07 19 00-0336	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	45.89	4.23
22 07 19 00-0337	EA	3" ID, Aluminum Tee Insulation Jacketing	50.05	4.33
22 07 19 00-0338	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	50.48	4.44
22 07 19 00-0339	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	52.50	4.55
22 07 19 00-0340	EA	4" ID, Aluminum Tee Insulation Jacketing	53.33	4.66
22 07 19 00-0341	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	55.83	4.79
22 07 19 00-0342	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	56.04	4.92
22 07 19 00-0343	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	56.58	5.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0344	EA	5" ID, Aluminum Tee Insulation Jacketing	58.53	5.19
22 07 19 00-0345	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	59.13	5.35
22 07 19 00-0346	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	61.45	5.51
22 07 19 00-0347	EA	6" ID, Aluminum Tee Insulation Jacketing	62.14	5.68
22 07 19 00-0348	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	67.54	6.07
22 07 19 00-0349	EA	7" ID, Aluminum Tee Insulation Jacketing	68.37	6.27
22 07 19 00-0350	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	74.12	6.50
22 07 19 00-0351	EA	8" ID, Aluminum Tee Insulation Jacketing	75.08	6.73
22 07 19 00-0352	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	77.39	6.99
22 07 19 00-0353	EA	9" ID, Aluminum Tee Insulation Jacketing	78.51	7.27
22 07 19 00-0354	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	66.36	7.42
22 07 19 00-0355	EA	10" ID, Aluminum Tee Insulation Jacketing	66.97	7.58
22 07 19 00-0356	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	70.02	7.74
22 07 19 00-0357	EA	11" ID, Aluminum Tee Insulation Jacketing	70.69	7.91
22 07 19 00-0358	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	73.52	8.08
22 07 19 00-0359	EA	12" ID, Aluminum Tee Insulation Jacketing	74.25	8.27
22 07 19 00-0360	EA	13" ID, Aluminum Tee Insulation Jacketing	77.07	8.46
22 07 19 00-0361	EA	14" ID, Aluminum Tee Insulation Jacketing	80.00	8.66
22 07 19 00-0362	EA	15" ID, Aluminum Tee Insulation Jacketing	84.54	8.87
22 07 19 00-0363	EA	16" ID, Aluminum Tee Insulation Jacketing	86.66	9.09
22 07 19 00-0364	EA	17" ID, Aluminum Tee Insulation Jacketing	95.12	9.33
22 07 19 00-0365	EA	18" ID, Aluminum Tee Insulation Jacketing	98.35	9.57
22 07 19 00-0366	EA	19" ID, Aluminum Tee Insulation Jacketing	105.75	9.83
22 07 19 00-0367	EA	20" ID, Aluminum Tee Insulation Jacketing	108.29	10.10
22 07 19 00-0368	EA	22" ID, Aluminum Tee Insulation Jacketing	127.91	10.39
22 07 19 00-0369	EA	23" ID, Aluminum Tee Insulation Jacketing	131.54	10.69
22 07 19 00-0370	EA	24" ID, Aluminum Tee Insulation Jacketing	137.99	11.73
22 07 19 00-0371		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*		
22 07 19 00-0372		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0371)*		
22 07 19 00-0373	SF	0.010" Stainless Steel Insulation Jacket With Bands	17.05	6.82
22 07 19 00-0374	SF	0.016" Stainless Steel Insulation Jacket With Bands	20.94	8.18
22 07 19 00-0375		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0371)*		
22 07 19 00-0376	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	8.65	1.46
22 07 19 00-0377	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.02	1.49
22 07 19 00-0378	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	9.40	1.52
22 07 19 00-0379	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.78	1.55
22 07 19 00-0380	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	10.17	1.58
22 07 19 00-0381	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.56	1.62
22 07 19 00-0382	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	10.95	1.65
22 07 19 00-0383	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.36	1.69
22 07 19 00-0384	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	11.77	1.73
22 07 19 00-0385	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	12.62	1.82
22 07 19 00-0386	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	13.51	1.91
22 07 19 00-0387	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	14.43	2.02
22 07 19 00-0388	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.16	2.08
22 07 19 00-0389	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	15.92	2.14
22 07 19 00-0390	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	16.73	2.21
22 07 19 00-0391	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	17.39	2.26
22 07 19 00-0392	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.07	2.30
22 07 19 00-0393	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	18.76	2.34
22 07 19 00-0394	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.44	2.39
22 07 19 00-0395	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	20.13	2.44
22 07 19 00-0396	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	20.84	2.50
22 07 19 00-0397	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	21.55	2.55
22 07 19 00-0398	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	22.99	2.66
22 07 19 00-0399	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	24.41	2.76
22 07 19 00-0400	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	25.58	2.80
22 07 19 00-0401		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0371)*		
22 07 19 00-0402	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	11.84	1.93
22 07 19 00-0403	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	12.37	1.97
22 07 19 00-0404	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	12.89	2.01
22 07 19 00-0405	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	13.44	2.06
22 07 19 00-0406	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	13.98	2.10
22 07 19 00-0407	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	14.53	2.15
22 07 19 00-0408	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	15.08	2.20
22 07 19 00-0409	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	15.66	2.25
22 07 19 00-0410	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	16.24	2.30
22 07 19 00-0411	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	17.44	2.41
22 07 19 00-0412	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	18.66	2.55
22 07 19 00-0413	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	19.95	2.69
22 07 19 00-0414	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	20.99	2.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	22.05	2.85
22 07 19 00-0416	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	23.20	2.95
22 07 19 00-0417	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	24.14	3.01
22 07 19 00-0418	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	25.09	3.06
22 07 19 00-0419	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	26.08	3.12
22 07 19 00-0420	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	27.04	3.18
22 07 19 00-0421	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	28.03	3.25
22 07 19 00-0422	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	29.03	3.31
22 07 19 00-0423	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	30.03	3.38
22 07 19 00-0424	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	32.08	3.53
22 07 19 00-0425	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	34.08	3.66
22 07 19 00-0426	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	35.75	3.72
22 07 19 00-0427		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0371)*		
22 07 19 00-0428	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	24.05	2.89
22 07 19 00-0429	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	24.33	2.96
22 07 19 00-0430	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.19	3.03
22 07 19 00-0431	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.51	3.11
22 07 19 00-0432	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.38	3.16
22 07 19 00-0433	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.39	3.22
22 07 19 00-0434	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	29.17	3.31
22 07 19 00-0435	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.67	3.37
22 07 19 00-0436	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.92	3.43
22 07 19 00-0437	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.96	3.56
22 07 19 00-0438	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	47.33	3.75
22 07 19 00-0439	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	51.31	3.95
22 07 19 00-0440	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	65.57	4.19
22 07 19 00-0441	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	65.96	4.28
22 07 19 00-0442	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	74.57	4.39
22 07 19 00-0443	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	75.23	4.55
22 07 19 00-0444	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	77.17	4.55
22 07 19 00-0445	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	108.36	4.66
22 07 19 00-0446	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	107.04	4.72
22 07 19 00-0447	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	107.30	4.79
22 07 19 00-0448	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	124.87	4.85
22 07 19 00-0449	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	120.34	4.92
22 07 19 00-0450	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	134.79	5.12
22 07 19 00-0451	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	179.75	5.35
22 07 19 00-0452	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	181.47	5.51
22 07 19 00-0453	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	21.97	2.89
22 07 19 00-0454	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	22.25	2.96
22 07 19 00-0455	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	23.33	3.03
22 07 19 00-0456	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	23.65	3.11
22 07 19 00-0457	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	24.00	3.16
22 07 19 00-0458	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.23	3.22
22 07 19 00-0459	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	27.81	3.31
22 07 19 00-0460	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.95	3.37
22 07 19 00-0461	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.20	3.43
22 07 19 00-0462	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.46	3.50
22 07 19 00-0463	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.10	3.56
22 07 19 00-0464	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.83	3.75
22 07 19 00-0465	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.53	3.95
22 07 19 00-0466	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.43	4.19
22 07 19 00-0467	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	58.92	4.28
22 07 19 00-0468	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.20	4.39
22 07 19 00-0469	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.41	4.44
22 07 19 00-0470	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	68.12	4.55
22 07 19 00-0471	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	68.58	4.66
22 07 19 00-0472	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	77.51	4.72
22 07 19 00-0473	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	77.77	4.79
22 07 19 00-0474	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.85	4.85
22 07 19 00-0475	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	90.11	4.92
22 07 19 00-0476	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	97.00	5.12
22 07 19 00-0477	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	111.42	5.35
22 07 19 00-0478		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0001)*		
22 07 19 00-0479		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0478)*		
22 07 19 00-0480	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.63	1.35
22 07 19 00-0481	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.91	1.40
22 07 19 00-0482	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.20	1.46
22 07 19 00-0483	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.53	1.52
22 07 19 00-0484	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.85	1.58
22 07 19 00-0485	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.20	1.65
22 07 19 00-0486	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.59	1.73
22 07 19 00-0487	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.99	1.82
22 07 19 00-0488	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.45	1.91
22 07 19 00-0489	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.94	2.02
22 07 19 00-0490	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.24	2.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0491	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.55	2.14
22 07 19 00-0492	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.94	2.21
22 07 19 00-0493	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.16	2.26
22 07 19 00-0494	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.41	2.30
22 07 19 00-0495	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.66	2.34
22 07 19 00-0496	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.91	2.39
22 07 19 00-0497	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.16	2.44
22 07 19 00-0498	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.43	2.50
22 07 19 00-0499	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.71	2.55
22 07 19 00-0500	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.00	2.60
22 07 19 00-0501	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.28	2.66
22 07 19 00-0502	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.61	2.72
22 07 19 00-0503	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.83	2.76
22 07 19 00-0504	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.90	2.76
22 07 19 00-0505	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.14	2.80
22 07 19 00-0506	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.46	2.84
22 07 19 00-0507	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.77	2.89
22 07 19 00-0508	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.09	2.94
22 07 19 00-0509	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.42	2.98
22 07 19 00-0510	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.75	3.03
22 07 19 00-0511	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.09	3.08
22 07 19 00-0512	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.45	3.14
22 07 19 00-0513	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.80	3.19
22 07 19 00-0514	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.16	3.25
22 07 19 00-0515	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.53	3.31
22 07 19 00-0516	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.92	3.37
22 07 19 00-0517	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.30	3.43
22 07 19 00-0518	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.50
22 07 19 00-0519	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.12	3.56
22 07 19 00-0520	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.54	3.64
22 07 19 00-0521	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.98	3.71
22 07 19 00-0522		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0478)*		
22 07 19 00-0523	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.06	1.40
22 07 19 00-0524	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.39	1.46
22 07 19 00-0525	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.75	1.52
22 07 19 00-0526	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.10	1.58
22 07 19 00-0527	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.48	1.65
22 07 19 00-0528	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.90	1.73
22 07 19 00-0529	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.34	1.82
22 07 19 00-0530	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.83	1.91
22 07 19 00-0531	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.35	2.02
22 07 19 00-0532	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.68	2.08
22 07 19 00-0533	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.03	2.14
22 07 19 00-0534	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.45	2.21
22 07 19 00-0535	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.71	2.26
22 07 19 00-0536	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.99	2.30
22 07 19 00-0537	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.27	2.34
22 07 19 00-0538	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.55	2.39
22 07 19 00-0539	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.84	2.44
22 07 19 00-0540	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.14	2.50
22 07 19 00-0541	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.45	2.55
22 07 19 00-0542	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.77	2.60
22 07 19 00-0543	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.09	2.66
22 07 19 00-0544	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.45	2.72
22 07 19 00-0545	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.71	2.76
22 07 19 00-0546	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.81	2.76
22 07 19 00-0547	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.08	2.80
22 07 19 00-0548	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.46	2.84
22 07 19 00-0549	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.84	2.89
22 07 19 00-0550	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.22	2.94
22 07 19 00-0551	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.62	2.98
22 07 19 00-0552	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.02	3.03
22 07 19 00-0553	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.42	3.08
22 07 19 00-0554	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.85	3.14
22 07 19 00-0555	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.26	3.19
22 07 19 00-0556	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.69	3.25
22 07 19 00-0557	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.12	3.31
22 07 19 00-0558	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.58	3.37
22 07 19 00-0559	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.03	3.43
22 07 19 00-0560	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.49	3.50
22 07 19 00-0561	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.98	3.56
22 07 19 00-0562	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.46	3.64
22 07 19 00-0563	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.96	3.71
22 07 19 00-0564		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0478)*		
22 07 19 00-0565	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.32	2.70
22 07 19 00-0566	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.87	2.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0567	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.13	2.84
22 07 19 00-0568	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.39	2.89
22 07 19 00-0569	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.74	2.96
22 07 19 00-0570	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.08	3.03
22 07 19 00-0571	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.64	3.14
22 07 19 00-0572	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.10	3.22
22 07 19 00-0573	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.76	3.31
22 07 19 00-0574	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.71	3.46
22 07 19 00-0575	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.72	3.64
22 07 19 00-0576	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.17	3.83
22 07 19 00-0577	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.94	4.04
22 07 19 00-0578	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.74	4.19
22 07 19 00-0579	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.40	4.28
22 07 19 00-0580	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.13	4.39
22 07 19 00-0581	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.68	4.55
22 07 19 00-0582	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.23	4.72
22 07 19 00-0583	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	32.32	4.92
22 07 19 00-0584	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.00	5.12
22 07 19 00-0585	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	39.71	5.35
22 07 19 00-0586	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	42.98	5.51
22 07 19 00-0587	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	45.23	5.68
22 07 19 00-0588	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.65	5.77
22 07 19 00-0589	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	50.71	5.87
22 07 19 00-0590	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	59.00	5.97
22 07 19 00-0591	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	71.97	6.07
22 07 19 00-0592	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	85.99	6.17
22 07 19 00-0593	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.32	2.70
22 07 19 00-0594	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.87	2.80
22 07 19 00-0595	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.13	2.84
22 07 19 00-0596	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.39	2.89
22 07 19 00-0597	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.74	2.96
22 07 19 00-0598	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.08	3.03
22 07 19 00-0599	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.64	3.14
22 07 19 00-0600	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.10	3.22
22 07 19 00-0601	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.76	3.31
22 07 19 00-0602	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.71	3.46
22 07 19 00-0603	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.72	3.64
22 07 19 00-0604	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.17	3.83
22 07 19 00-0605	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.94	4.04
22 07 19 00-0606	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.74	4.19
22 07 19 00-0607	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.40	4.28
22 07 19 00-0608	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.13	4.39
22 07 19 00-0609	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.68	4.55
22 07 19 00-0610	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.23	4.72
22 07 19 00-0611	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	32.31	4.92
22 07 19 00-0612	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	34.44	5.12
22 07 19 00-0613	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	36.96	5.35
22 07 19 00-0614	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	39.83	5.51
22 07 19 00-0615	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	41.82	5.68
22 07 19 00-0616	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	44.89	5.77
22 07 19 00-0617	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	48.01	5.87
22 07 19 00-0618	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	53.85	5.97
22 07 19 00-0619	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	65.17	6.07
22 07 19 00-0620	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	71.01	6.17
22 07 19 00-0621	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.19	3.79
22 07 19 00-0622	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.65	3.87
22 07 19 00-0623	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.27	3.99
22 07 19 00-0624	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.93	4.13
22 07 19 00-0625	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.65	4.28
22 07 19 00-0626	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.41	4.44
22 07 19 00-0627	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.33	4.61
22 07 19 00-0628	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.33	4.79
22 07 19 00-0629	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	22.51	4.98
22 07 19 00-0630	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.00	5.19
22 07 19 00-0631	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	25.57	5.43
22 07 19 00-0632	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.22	5.77
22 07 19 00-0633	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.99	6.07
22 07 19 00-0634	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.00	6.17
22 07 19 00-0635	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	39.00	6.38
22 07 19 00-0636	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	41.72	6.73
22 07 19 00-0637	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.96	6.99
22 07 19 00-0638	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	50.30	7.27
22 07 19 00-0639	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	51.75	7.58
22 07 19 00-0640	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	54.79	7.74
22 07 19 00-0641	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.84	7.91
22 07 19 00-0642	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.94	8.08
22 07 19 00-0643	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	64.04	8.27
22 07 19 00-0644	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.20	8.46
22 07 19 00-0645	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	70.37	8.66
22 07 19 00-0646	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	74.81	8.87
22 07 19 00-0647	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	79.28	9.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0648	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	84.58	9.33
22 07 19 00-0649	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	14.74	2.60
22 07 19 00-0650	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	14.74	2.60
22 07 19 00-0651	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	16.28	2.70
22 07 19 00-0652	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	16.28	2.70
22 07 19 00-0653	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	19.88	2.80
22 07 19 00-0654	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	21.29	2.91
22 07 19 00-0655	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	22.93	3.03
22 07 19 00-0656	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.16	3.16
22 07 19 00-0657	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	27.16	3.31
22 07 19 00-0658	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	31.88	3.64
22 07 19 00-0659	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.77	4.04
22 07 19 00-0660	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	46.07	4.55
22 07 19 00-0661	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	55.07	4.85
22 07 19 00-0662	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	72.69	5.35
22 07 19 00-0663	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	73.78	5.59
22 07 19 00-0664	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	92.98	5.77
22 07 19 00-0665	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	119.97	5.97
22 07 19 00-0666	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	14.26	2.60
22 07 19 00-0667	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	14.26	2.60
22 07 19 00-0668	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.70	2.70
22 07 19 00-0669	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.70	2.70
22 07 19 00-0670	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	18.93	2.80
22 07 19 00-0671	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.23	2.91
22 07 19 00-0672	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	21.77	3.03
22 07 19 00-0673	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	22.83	3.16
22 07 19 00-0674	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	25.62	3.31
22 07 19 00-0675	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	29.97	3.64
22 07 19 00-0676	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.96	4.04
22 07 19 00-0677	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.99	4.55
22 07 19 00-0678	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	51.15	4.85
22 07 19 00-0679	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.08	5.35
22 07 19 00-0680	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	81.82	5.59
22 07 19 00-0681	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	95.09	5.77
22 07 19 00-0682	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	108.83	5.97
22 07 19 00-0683	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	21.31	3.91
22 07 19 00-0684	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	21.31	3.91
22 07 19 00-0685	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	23.33	4.04
22 07 19 00-0686	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	23.33	4.04
22 07 19 00-0687	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	28.01	4.19
22 07 19 00-0688	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	29.87	4.33
22 07 19 00-0689	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	32.24	4.55
22 07 19 00-0690	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	33.78	4.72
22 07 19 00-0691	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	38.11	4.98
22 07 19 00-0692	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	41.74	5.43
22 07 19 00-0693	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	53.88	6.07
22 07 19 00-0694	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	59.06	6.73
22 07 19 00-0695	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	75.48	7.27
22 07 19 00-0696	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	98.30	7.91
22 07 19 00-0697	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	114.36	8.46
22 07 19 00-0698	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.24	8.66
22 07 19 00-0699	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	141.90	8.87

22 07 19 00-0700 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0701 Covering 4x6 Sheet *(22 07 19 00-0700)*

22 07 19 00-0702	SF	1" Thick Foam Rubber Sheet Insulation	16.58	6.46

22 07 19 00-0703 Fiberglass Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0704 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0705	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.54	2.00
		For Single Layer Of Felt Finish, Add	*0.12*	
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0706	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.66	2.00
		For Single Layer Of Felt Finish, Add	*0.13*	
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0707	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.07	2.09
		For Single Layer Of Felt Finish, Add	*0.14*	
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-0708	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.32	2.18
		For Single Layer Of Felt Finish, Add	*0.15*	
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0709	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.53	2.18
		For Single Layer Of Felt Finish, Add	*0.16*	
		For Work In Restricted Working Space, Add	*1.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0710	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.96	2.27
		For Single Layer Of Felt Finish, Add	*0.18*	
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0711	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.31	2.36
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-0712	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.75	2.45
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0713	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.89	2.64
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0714	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.67	3.09
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.50*	

22 07 19 00-0715 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0716	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.81	2.73
		For Single Layer Of Felt Finish, Add	*0.14*	
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0717	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.01	2.73
		For Single Layer Of Felt Finish, Add	*0.16*	
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0718	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.15	2.73
		For Single Layer Of Felt Finish, Add	*0.16*	
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0719	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.46	2.82
		For Single Layer Of Felt Finish, Add	*0.19*	
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0720	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.70	2.82
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0721	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.09	2.91
		For Single Layer Of Felt Finish, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0722	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.62	3.09
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-0723	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.14	3.18
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0724	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.55	3.36
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0725	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.47	3.91
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0726	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.74	4.37
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0727	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.88	5.18
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0728	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.97	5.91
		For Single Layer Of Felt Finish, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.87*	
22 07 19 00-0729	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.76	6.46
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*5.04*	

22 07 19 00-0730 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0731	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.51	2.81
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0732	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.64	2.81
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0733	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.24	2.98
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0734	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.62	3.04
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0735	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.94	3.09
		For Single Layer Of Felt Finish, Add	*0.36*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0736	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.72	3.26
		For Single Layer Of Felt Finish, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0737	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.25	3.31
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*2.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0738	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.69	3.43
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0739	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.06	3.71
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0740	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.46	4.33
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0741	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.51	4.57
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0742	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.79	5.46
		For Single Layer Of Felt Finish, Add	*0.91*	
		For Work In Restricted Working Space, Add	*4.54*	
22 07 19 00-0743	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.05	6.37
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*5.29*	
22 07 19 00-0744	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.22	6.97
		For Single Layer Of Felt Finish, Add	*1.14*	
		For Work In Restricted Working Space, Add	*5.80*	

22 07 19 00-0745 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0746	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.82	3.09
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0747	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.96	3.09
		For Single Layer Of Felt Finish, Add	*0.46*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0748	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.38	3.18
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0749	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.75	3.18
		For Single Layer Of Felt Finish, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0750	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.14	3.27
		For Single Layer Of Felt Finish, Add	*0.55*	
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0751	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.69	3.36
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0752	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.42	3.45
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0753	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.20	3.64
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0754	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.66	3.82
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0755	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.92	4.49
		For Single Layer Of Felt Finish, Add	*0.89*	
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0756	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.60	4.74
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0757	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.24	5.66
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0758	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.57	6.79
		For Single Layer Of Felt Finish, Add	*1.44*	
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0759	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.82	7.41
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*7.89*	
22 07 19 00-0760	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.97	8.68
		For Single Layer Of Felt Finish, Add	*1.85*	
		For Work In Restricted Working Space, Add	*7.89*	
22 07 19 00-0761	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.62	9.12
		For Single Layer Of Felt Finish, Add	*2.20*	
		For Work In Restricted Working Space, Add	*8.29*	
22 07 19 00-0762	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.13	10.42
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*9.47*	
22 07 19 00-0763	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	64.26	12.60
		For Single Layer Of Felt Finish, Add	*2.74*	
		For Work In Restricted Working Space, Add	*11.45*	

22 07 19 00-0764 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0765	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.80	3.64
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.96*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0766	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.00	3.64
		For Single Layer Of Felt Finish, Add	*0.64*	
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0767	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.61	3.64
		For Single Layer Of Felt Finish, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0768	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.06	3.73
		For Single Layer Of Felt Finish, Add	*0.73*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0769	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.51	3.73
		For Single Layer Of Felt Finish, Add	*0.77*	
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0770	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.24	3.91
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0771	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.24	4.00
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0772	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.15	4.19
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0773	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.21	4.37
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0774	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.45	4.64
		For Single Layer Of Felt Finish, Add	*1.25*	
		For Work In Restricted Working Space, Add	*4.08*	
22 07 19 00-0775	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.60	5.54
		For Single Layer Of Felt Finish, Add	*1.94*	
		For Work In Restricted Working Space, Add	*4.55*	
22 07 19 00-0776	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.05	6.37
		For Single Layer Of Felt Finish, Add	*2.37*	
		For Work In Restricted Working Space, Add	*5.24*	
22 07 19 00-0777	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.76	7.91
		For Single Layer Of Felt Finish, Add	*2.52*	
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0778	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.63	8.73
		For Single Layer Of Felt Finish, Add	*2.93*	
		For Work In Restricted Working Space, Add	*7.11*	
22 07 19 00-0779	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.07	11.10
		For Single Layer Of Felt Finish, Add	*3.23*	
		For Work In Restricted Working Space, Add	*9.09*	
22 07 19 00-0780	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.58	11.64
		For Single Layer Of Felt Finish, Add	*3.54*	
		For Work In Restricted Working Space, Add	*9.55*	
22 07 19 00-0781	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.46	13.27
		For Single Layer Of Felt Finish, Add	*4.00*	
		For Work In Restricted Working Space, Add	*10.91*	
22 07 19 00-0782	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	87.74	16.04
		For Single Layer Of Felt Finish, Add	*4.60*	
		For Work In Restricted Working Space, Add	*13.19*	

22 07 19 00-0783 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0784	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.43	4.01
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0785	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.65	4.01
		For Single Layer Of Felt Finish, Add	*0.71*	
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0786	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.26	4.05
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.31*	
22 07 19 00-0787	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.73	4.08
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0788	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.28	4.12
		For Single Layer Of Felt Finish, Add	*0.85*	
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0789	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.03	4.29
		For Single Layer Of Felt Finish, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0790	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.13	4.43
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0791	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.14	4.59
		For Single Layer Of Felt Finish, Add	*1.02*	
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0792	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.42	4.85
		For Single Layer Of Felt Finish, Add	*1.18*	
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0793	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.96	5.50
		For Single Layer Of Felt Finish, Add	*1.37*	
		For Work In Restricted Working Space, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0794	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.90	6.13
		For Single Layer Of Felt Finish, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.00*	
22 07 19 00-0795	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	44.01	7.07
		For Single Layer Of Felt Finish, Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.77*	
22 07 19 00-0796	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	50.27	8.79
		For Single Layer Of Felt Finish, Add	*2.77*	
		For Work In Restricted Working Space, Add	*7.17*	
22 07 19 00-0797	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.73	9.60
		For Single Layer Of Felt Finish, Add	*3.22*	
		For Work In Restricted Working Space, Add	*7.83*	
22 07 19 00-0798	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.10	12.26
		For Single Layer Of Felt Finish, Add	*3.55*	
		For Work In Restricted Working Space, Add	*10.00*	
22 07 19 00-0799	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	72.05	12.89
		For Single Layer Of Felt Finish, Add	*3.89*	
		For Work In Restricted Working Space, Add	*10.50*	
22 07 19 00-0800	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	81.82	14.73
		For Single Layer Of Felt Finish, Add	*4.39*	
		For Work In Restricted Working Space, Add	*12.01*	
22 07 19 00-0801	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	96.40	17.79
		For Single Layer Of Felt Finish, Add	*5.05*	
		For Work In Restricted Working Space, Add	*14.50*	

22 07 19 00-0802 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

22 07 19 00-0803	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.82	4.37
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0804	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.08	4.37
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0805	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.94	4.37
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0806	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.45	4.46
		For Single Layer Of Felt Finish, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0807	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.08	4.46
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0808	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.85	4.64
		For Single Layer Of Felt Finish, Add	*0.96*	
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0809	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.05	4.82
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0810	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.08	5.00
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.08*	
22 07 19 00-0811	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.67	5.27
		For Single Layer Of Felt Finish, Add	*1.29*	
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0812	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.53	6.00
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.89*	
22 07 19 00-0813	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.30	6.64
		For Single Layer Of Felt Finish, Add	*2.32*	
		For Work In Restricted Working Space, Add	*5.45*	
22 07 19 00-0814	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.06	7.64
		For Single Layer Of Felt Finish, Add	*2.84*	
		For Work In Restricted Working Space, Add	*6.29*	
22 07 19 00-0815	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.91	9.55
		For Single Layer Of Felt Finish, Add	*3.03*	
		For Work In Restricted Working Space, Add	*7.82*	
22 07 19 00-0816	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.97	10.45
		For Single Layer Of Felt Finish, Add	*3.52*	
		For Work In Restricted Working Space, Add	*8.54*	
22 07 19 00-0817	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.30	13.27
		For Single Layer Of Felt Finish, Add	*3.88*	
		For Work In Restricted Working Space, Add	*10.91*	
22 07 19 00-0818	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	78.70	14.00
		For Single Layer Of Felt Finish, Add	*4.25*	
		For Work In Restricted Working Space, Add	*11.46*	
22 07 19 00-0819	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.39	16.01
		For Single Layer Of Felt Finish, Add	*4.80*	
		For Work In Restricted Working Space, Add	*13.10*	
22 07 19 00-0820	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	105.29	19.28
		For Single Layer Of Felt Finish, Add	*5.52*	
		For Work In Restricted Working Space, Add	*15.82*	

22 07 19 00-0821 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0703)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0822	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.29	4.91
		For Single Layer Of Felt Finish, Add	*0.84*	
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0823	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.58	4.91
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0824	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.40	4.91
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0825	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.07	5.00
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0826	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.01	5.18
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.23*	
22 07 19 00-0827	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.87	5.36
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0828	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.93	5.36
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0829	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.20	5.63
		For Single Layer Of Felt Finish, Add	*1.25*	
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0830	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.99	5.91
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*4.85*	
22 07 19 00-0831	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.34	6.73
		For Single Layer Of Felt Finish, Add	*1.68*	
		For Work In Restricted Working Space, Add	*5.50*	
22 07 19 00-0832	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.33	7.27
		For Single Layer Of Felt Finish, Add	*2.61*	
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0833	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.08	8.64
		For Single Layer Of Felt Finish, Add	*3.20*	
		For Work In Restricted Working Space, Add	*7.08*	
22 07 19 00-0834	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.79	10.72
		For Single Layer Of Felt Finish, Add	*3.41*	
		For Work In Restricted Working Space, Add	*8.80*	
22 07 19 00-0835	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.74	11.73
		For Single Layer Of Felt Finish, Add	*3.96*	
		For Work In Restricted Working Space, Add	*9.61*	
22 07 19 00-0836	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.51	15.00
		For Single Layer Of Felt Finish, Add	*4.36*	
		For Work In Restricted Working Space, Add	*12.29*	
22 07 19 00-0837	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.50	15.72
		For Single Layer Of Felt Finish, Add	*4.79*	
		For Work In Restricted Working Space, Add	*12.88*	
22 07 19 00-0838	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.37	18.00
		For Single Layer Of Felt Finish, Add	*5.28*	
		For Work In Restricted Working Space, Add	*14.74*	
22 07 19 00-0839	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	118.47	21.73
		For Single Layer Of Felt Finish, Add	*6.21*	
		For Work In Restricted Working Space, Add	*17.81*	
22 07 19 00-0840	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	135.54	25.64
		For Single Layer Of Felt Finish, Add	*6.89*	
		For Work In Restricted Working Space, Add	*20.98*	
22 07 19 00-0841	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	153.23	30.18
		For Single Layer Of Felt Finish, Add	*7.44*	
		For Work In Restricted Working Space, Add	*24.71*	
22 07 19 00-0842	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	173.40	35.65
		For Single Layer Of Felt Finish, Add	*7.96*	
		For Work In Restricted Working Space, Add	*29.27*	
22 07 19 00-0843	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	210.21	45.31
		For Single Layer Of Felt Finish, Add	*9.05*	
		For Work In Restricted Working Space, Add	*37.22*	
22 07 19 00-0844	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	247.02	55.19
		For Single Layer Of Felt Finish, Add	*10.13*	
		For Work In Restricted Working Space, Add	*45.16*	
22 07 19 00-0845	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	266.12	60.65
		For Single Layer Of Felt Finish, Add	*10.52*	
		For Work In Restricted Working Space, Add	*49.78*	
22 07 19 00-0846	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	283.21	65.28
		For Single Layer Of Felt Finish, Add	*10.94*	
		For Work In Restricted Working Space, Add	*53.69*	

22 07 19 00-0847 Foamglas Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0848 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0849	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	16.21	4.44
		For Work In Restricted Working Space, Add	*4.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0850	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.92	4.44
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0851	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	17.82	4.50
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0852	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	18.26	4.57
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0853	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	18.92	4.63
		For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-0854	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	20.21	4.76
		For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0855	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	21.81	4.96
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0856	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	23.58	5.08
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0857	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	27.35	5.46
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0858	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	34.99	6.17
		For Work In Restricted Working Space, Add	*5.61*	

22 07 19 00-0859 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0860	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.50	5.82
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0861	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.94	5.82
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0862	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.39	5.82
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0863	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.30	6.00
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0864	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.19	6.21
		For Work In Restricted Working Space, Add	*5.64*	
22 07 19 00-0865	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.25	6.43
		For Work In Restricted Working Space, Add	*5.85*	
22 07 19 00-0866	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.58	6.67
		For Work In Restricted Working Space, Add	*6.06*	
22 07 19 00-0867	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.73	6.93
		For Work In Restricted Working Space, Add	*6.30*	
22 07 19 00-0868	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	37.45	7.20
		For Work In Restricted Working Space, Add	*6.54*	
22 07 19 00-0869	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	42.39	7.63
		For Work In Restricted Working Space, Add	*6.93*	
22 07 19 00-0870	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	46.18	8.10
		For Work In Restricted Working Space, Add	*7.37*	
22 07 19 00-0871	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	56.53	9.52
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0872	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	64.80	11.07
		For Work In Restricted Working Space, Add	*10.05*	
22 07 19 00-0873	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	70.29	11.45
		For Work In Restricted Working Space, Add	*10.40*	
22 07 19 00-0874	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	77.33	12.79
		For Work In Restricted Working Space, Add	*11.62*	
22 07 19 00-0875	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	87.49	15.12
		For Work In Restricted Working Space, Add	*13.75*	
22 07 19 00-0876	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	97.78	16.74
		For Work In Restricted Working Space, Add	*15.22*	
22 07 19 00-0877	LF	24" Diameter Pipe, 2" Thick Fiberglass Insulation	122.68	18.55
		For Work In Restricted Working Space, Add	*16.86*	

22 07 19 00-0878 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0879	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	21.79	5.08
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0880	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	22.48	5.08
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0881	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	23.34	5.14
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0882	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	24.63	5.21
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0883	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	25.93	5.27
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0884	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	29.10	5.46
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0885	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	30.53	5.66
		For Work In Restricted Working Space, Add	*5.14*	
22 07 19 00-0886	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	32.82	5.85
		For Work In Restricted Working Space, Add	*5.32*	
22 07 19 00-0887	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	37.07	6.18
		For Work In Restricted Working Space, Add	*5.61*	
22 07 19 00-0888	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	44.44	7.01
		For Work In Restricted Working Space, Add	*6.37*	
22 07 19 00-0889	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	49.46	7.82
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0890	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	60.33	9.01
		For Work In Restricted Working Space, Add	*8.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0891	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	74.73	11.20
		For Work In Restricted Working Space, Add	*10.18*	
22 07 19 00-0892	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	79.77	12.23
		For Work In Restricted Working Space, Add	*11.12*	
22 07 19 00-0893	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	93.98	15.63
		For Work In Restricted Working Space, Add	*14.21*	
22 07 19 00-0894	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	102.63	16.41
		For Work In Restricted Working Space, Add	*14.92*	
22 07 19 00-0895	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	113.36	18.75
		For Work In Restricted Working Space, Add	*17.05*	
22 07 19 00-0896	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	142.44	22.66
		For Work In Restricted Working Space, Add	*20.60*	

22 07 19 00-0897 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0898	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.64	5.51
		For Work In Restricted Working Space, Add	*5.01*	
22 07 19 00-0899	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.81	5.50
		For Work In Restricted Working Space, Add	*5.00*	
22 07 19 00-0900	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.27	5.59
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0901	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.57	5.63
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0902	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	31.90	5.68
		For Work In Restricted Working Space, Add	*5.16*	
22 07 19 00-0903	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	34.24	5.91
		For Work In Restricted Working Space, Add	*5.38*	
22 07 19 00-0904	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.49	6.12
		For Work In Restricted Working Space, Add	*5.56*	
22 07 19 00-0905	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.72	6.33
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0906	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	44.63	6.67
		For Work In Restricted Working Space, Add	*6.07*	
22 07 19 00-0907	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	53.48	7.60
		For Work In Restricted Working Space, Add	*6.90*	
22 07 19 00-0908	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.59	8.46
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0909	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	67.97	9.76
		For Work In Restricted Working Space, Add	*8.87*	
22 07 19 00-0910	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	84.64	12.13
		For Work In Restricted Working Space, Add	*11.03*	
22 07 19 00-0911	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	88.07	13.24
		For Work In Restricted Working Space, Add	*12.04*	
22 07 19 00-0912	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	103.45	16.92
		For Work In Restricted Working Space, Add	*15.38*	
22 07 19 00-0913	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	112.68	17.77
		For Work In Restricted Working Space, Add	*16.15*	
22 07 19 00-0914	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	129.60	20.30
		For Work In Restricted Working Space, Add	*18.46*	
22 07 19 00-0915	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	162.59	24.54
		For Work In Restricted Working Space, Add	*22.31*	

22 07 19 00-0916 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0917	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	32.45	5.86
		For Work In Restricted Working Space, Add	*5.33*	
22 07 19 00-0918	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	33.15	5.86
		For Work In Restricted Working Space, Add	*5.33*	
22 07 19 00-0919	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	34.15	5.96
		For Work In Restricted Working Space, Add	*5.41*	
22 07 19 00-0920	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	34.98	6.00
		For Work In Restricted Working Space, Add	*5.45*	
22 07 19 00-0921	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	35.84	6.05
		For Work In Restricted Working Space, Add	*5.49*	
22 07 19 00-0922	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	38.59	6.29
		For Work In Restricted Working Space, Add	*5.72*	
22 07 19 00-0923	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	41.22	6.51
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0924	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	47.04	6.74
		For Work In Restricted Working Space, Add	*6.12*	
22 07 19 00-0925	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	53.88	7.10
		For Work In Restricted Working Space, Add	*6.46*	
22 07 19 00-0926	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	58.91	8.08
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0927	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	66.56	9.00
		For Work In Restricted Working Space, Add	*8.18*	
22 07 19 00-0928	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	79.54	10.38
		For Work In Restricted Working Space, Add	*9.44*	
22 07 19 00-0929	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	92.11	12.90
		For Work In Restricted Working Space, Add	*11.73*	
22 07 19 00-0930	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	98.53	14.08
		For Work In Restricted Working Space, Add	*12.80*	
22 07 19 00-0931	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	117.23	18.00
		For Work In Restricted Working Space, Add	*16.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0932	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	125.63	18.90
		For Work In Restricted Working Space, Add	*17.19*	
22 07 19 00-0933	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	147.40	21.60
		For Work In Restricted Working Space, Add	*19.64*	
22 07 19 00-0934	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	180.31	26.11
		For Work In Restricted Working Space, Add	*23.73*	

22 07 19 00-0935 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0936	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.05	7.10
		For Work In Restricted Working Space, Add	*6.46*	
22 07 19 00-0937	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.94	7.10
		For Work In Restricted Working Space, Add	*6.46*	
22 07 19 00-0938	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	40.98	7.14
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0939	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	41.99	7.19
		For Work In Restricted Working Space, Add	*6.54*	
22 07 19 00-0940	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	43.16	7.28
		For Work In Restricted Working Space, Add	*6.62*	
22 07 19 00-0941	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	47.66	7.54
		For Work In Restricted Working Space, Add	*6.85*	
22 07 19 00-0942	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.19	7.80
		For Work In Restricted Working Space, Add	*7.09*	
22 07 19 00-0943	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.20	8.08
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0944	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	59.15	8.54
		For Work In Restricted Working Space, Add	*7.76*	
22 07 19 00-0945	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	68.14	9.69
		For Work In Restricted Working Space, Add	*8.81*	
22 07 19 00-0946	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	77.57	10.80
		For Work In Restricted Working Space, Add	*9.81*	
22 07 19 00-0947	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	92.94	12.46
		For Work In Restricted Working Space, Add	*11.32*	
22 07 19 00-0948	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	109.53	15.48
		For Work In Restricted Working Space, Add	*14.07*	
22 07 19 00-0949	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	113.99	16.90
		For Work In Restricted Working Space, Add	*15.37*	
22 07 19 00-0950	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	136.14	21.60
		For Work In Restricted Working Space, Add	*19.64*	
22 07 19 00-0951	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	150.03	22.69
		For Work In Restricted Working Space, Add	*20.62*	
22 07 19 00-0952	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	170.77	25.94
		For Work In Restricted Working Space, Add	*23.59*	
22 07 19 00-0953	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	209.90	31.32
		For Work In Restricted Working Space, Add	*28.48*	

22 07 19 00-0954 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0847)*

22 07 19 00-0955	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	47.53	8.73
		For Work In Restricted Working Space, Add	*7.93*	
22 07 19 00-0956	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	48.67	8.73
		For Work In Restricted Working Space, Add	*7.93*	
22 07 19 00-0957	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	50.27	8.87
		For Work In Restricted Working Space, Add	*8.07*	
22 07 19 00-0958	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	51.72	8.98
		For Work In Restricted Working Space, Add	*8.16*	
22 07 19 00-0959	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	53.73	9.27
		For Work In Restricted Working Space, Add	*8.42*	
22 07 19 00-0960	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	58.22	9.55
		For Work In Restricted Working Space, Add	*8.68*	
22 07 19 00-0961	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	62.27	9.70
		For Work In Restricted Working Space, Add	*8.82*	
22 07 19 00-0962	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	65.41	10.06
		For Work In Restricted Working Space, Add	*9.14*	
22 07 19 00-0963	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	71.41	11.21
		For Work In Restricted Working Space, Add	*10.19*	
22 07 19 00-0964	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	82.97	12.04
		For Work In Restricted Working Space, Add	*10.95*	
22 07 19 00-0965	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	93.89	13.06
		For Work In Restricted Working Space, Add	*11.87*	
22 07 19 00-0966	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	107.31	15.51
		For Work In Restricted Working Space, Add	*14.10*	
22 07 19 00-0967	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	124.93	19.27
		For Work In Restricted Working Space, Add	*17.51*	
22 07 19 00-0968	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	135.80	21.04
		For Work In Restricted Working Space, Add	*19.13*	
22 07 19 00-0969	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	160.44	26.90
		For Work In Restricted Working Space, Add	*24.46*	
22 07 19 00-0970	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	179.19	28.20
		For Work In Restricted Working Space, Add	*25.64*	
22 07 19 00-0971	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	200.60	32.26
		For Work In Restricted Working Space, Add	*29.34*	
22 07 19 00-0972	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	255.19	38.99
		For Work In Restricted Working Space, Add	*35.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0973		Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)* Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0974		3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0973)*		
22 07 19 00-0975	LF	1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.63	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0976	LF	1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.64	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0977	LF	3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.65	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0978	LF	1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.87	2.82
		For Work In Restricted Working Space, Add	*1.69*	
22 07 19 00-0979	LF	3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.10	2.91
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0980	LF	1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.27	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0981	LF	1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.46	3.01
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0982	LF	1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.54	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0983	LF	2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.72	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0984	LF	2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.14	3.10
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0985	LF	3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.32	3.16
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0986		1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0973)*		
22 07 19 00-0987	LF	1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.20	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0988	LF	1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.22	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0989	LF	3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.28	2.97
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0990	LF	1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.37	3.01
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0991	LF	3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.46	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0992	LF	1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.71	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0993	LF	1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.43	3.16
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-0994	LF	1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.14	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-0995	LF	2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.40	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-0996	LF	2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.87	3.35
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0997	LF	3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.32	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0998	LF	3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.74	3.44
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-0999	LF	4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.01	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-1000		3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0973)*		
22 07 19 00-1001	LF	1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.81	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1002	LF	1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.84	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1003	LF	3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.93	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-1004	LF	1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.28	3.35
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-1005	LF	3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.44	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-1006	LF	1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.85	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-1007	LF	1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.22	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1008	LF	1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.40	3.54
		For Work In Restricted Working Space, Add	*2.13*	
22 07 19 00-1009	LF	2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.03	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1010	LF	2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.96	3.67
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1011	LF	3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.05	3.73
		For Work In Restricted Working Space, Add	*2.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1012	LF	3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.71	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-1013	LF	4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.00	3.82
		For Work In Restricted Working Space, Add	*2.29*	

22 07 19 00-1014 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0973)*

22 07 19 00-1015	LF	1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.69	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1016	LF	3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.85	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1017	LF	1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.31	3.67
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1018	LF	3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.46	3.73
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-1019	LF	1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.12	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1020	LF	1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.48	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1021	LF	1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.63	3.92
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-1022	LF	2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.22	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1023	LF	2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.69	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1024	LF	3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.08	4.16
		For Work In Restricted Working Space, Add	*2.49*	

22 07 19 00-1025 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: No additional LF for fittings required.

22 07 19 00-1026 3/8" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1025)*

22 07 19 00-1027	LF	1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.68	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-1028	LF	3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.73	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1029	LF	1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.93	2.82
		For Work In Restricted Working Space, Add	*1.69*	
22 07 19 00-1030	LF	5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.01	2.87
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-1031	LF	3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.18	2.91
		For Work In Restricted Working Space, Add	*1.75*	
22 07 19 00-1032	LF	7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.23	2.91
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-1033	LF	1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.31	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-1034	LF	1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.36	2.97
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-1035	LF	1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.50	3.01
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-1036	LF	1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.59	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-1037	LF	2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.79	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-1038	LF	2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.90	3.06
		For Work In Restricted Working Space, Add	*1.83*	
22 07 19 00-1039	LF	2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.08	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-1040	LF	2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.22	3.10
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-1041	LF	2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.31	3.16
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-1042	LF	3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.45	3.16
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-1043	LF	3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.72	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1044	LF	4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.05	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-1045	LF	4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.39	3.26
		For Work In Restricted Working Space, Add	*1.96*	

22 07 19 00-1046 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1025)*

22 07 19 00-1047	LF	1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.28	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-1048	LF	3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.37	2.97
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-1049	LF	1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.47	3.01
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-1050	LF	3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.57	3.01
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-1051	LF	1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.76	3.10
		For Work In Restricted Working Space, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1052	LF	1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.94	3.16
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-1053	LF	1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.18	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1054	LF	2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.48	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-1055	LF	2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.94	3.35
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-1056	LF	3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.16	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-1057	LF	3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.78	3.44
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-1058	LF	4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.02	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-1059	LF	5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.86	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1060	LF	6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.45	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-1061	LF	8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.00	3.73
		For Work In Restricted Working Space, Add	*2.23*	

22 07 19 00-1062 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1025)*

22 07 19 00-1063	LF	1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.97	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1064	LF	3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.11	3.25
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-1065	LF	1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.42	3.35
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-1066	LF	3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.68	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-1067	LF	1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.00	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-1068	LF	1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.45	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1069	LF	1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.73	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1070	LF	2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.01	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1071	LF	2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.81	3.67
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1072	LF	3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.24	3.73
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-1073	LF	3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.85	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-1074	LF	4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.16	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1075	LF	5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.09	4.55
		For Work In Restricted Working Space, Add	*1.16*	
22 07 19 00-1076	LF	6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.94	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1077	LF	8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.19	4.01
		For Work In Restricted Working Space, Add	*2.41*	

22 07 19 00-1078 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1025)*

22 07 19 00-1079	LF	3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.51	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1080	LF	1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.78	3.67
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1081	LF	3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.19	3.73
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-1082	LF	1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.67	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1083	LF	1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.13	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1084	LF	1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.58	3.92
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-1085	LF	2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.59	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1086	LF	2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.86	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1087	LF	3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	4.16
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-1088	LF	3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.73	4.21
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-1089	LF	4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.37	4.30
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-1090	LF	5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.70	4.40
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-1091	LF	6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.08	4.49
		For Work In Restricted Working Space, Add	*2.69*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1092		Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)* Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.			
22 07 19 00-1093		3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1092)*			
22 07 19 00-1094	LF	1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		5.70	2.72
		For Work In Restricted Working Space, Add		*1.63*	
22 07 19 00-1095	LF	1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		5.72	2.72
		For Work In Restricted Working Space, Add		*1.63*	
22 07 19 00-1096	LF	3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		5.76	2.72
		For Work In Restricted Working Space, Add		*1.64*	
22 07 19 00-1097	LF	1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		5.97	2.82
		For Work In Restricted Working Space, Add		*1.69*	
22 07 19 00-1098	LF	3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.22	2.91
		For Work In Restricted Working Space, Add		*1.75*	
22 07 19 00-1099	LF	1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.36	2.97
		For Work In Restricted Working Space, Add		*1.78*	
22 07 19 00-1100	LF	1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.59	3.01
		For Work In Restricted Working Space, Add		*1.81*	
22 07 19 00-1101	LF	1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.74	3.01
		For Work In Restricted Working Space, Add		*1.82*	
22 07 19 00-1102	LF	2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.86	3.10
		For Work In Restricted Working Space, Add		*1.82*	
22 07 19 00-1103	LF	2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.39	3.10
		For Work In Restricted Working Space, Add		*1.88*	
22 07 19 00-1104	LF	3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.83	3.16
		For Work In Restricted Working Space, Add		*1.91*	
22 07 19 00-1105	LF	4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		8.94	3.25
		For Work In Restricted Working Space, Add		*1.95*	
22 07 19 00-1106		1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1092)*			
22 07 19 00-1107	LF	1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.32	2.97
		For Work In Restricted Working Space, Add		*1.78*	
22 07 19 00-1108	LF	1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.35	2.97
		For Work In Restricted Working Space, Add		*1.78*	
22 07 19 00-1109	LF	3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.41	2.97
		For Work In Restricted Working Space, Add		*1.79*	
22 07 19 00-1110	LF	1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.51	3.01
		For Work In Restricted Working Space, Add		*1.81*	
22 07 19 00-1111	LF	3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.65	3.01
		For Work In Restricted Working Space, Add		*1.82*	
22 07 19 00-1112	LF	1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		6.84	3.10
		For Work In Restricted Working Space, Add		*1.86*	
22 07 19 00-1113	LF	1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.08	3.16
		For Work In Restricted Working Space, Add		*1.89*	
22 07 19 00-1114	LF	1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.34	3.20
		For Work In Restricted Working Space, Add		*1.92*	
22 07 19 00-1115	LF	2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.59	3.25
		For Work In Restricted Working Space, Add		*1.95*	
22 07 19 00-1116	LF	2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		8.16	3.35
		For Work In Restricted Working Space, Add		*2.00*	
22 07 19 00-1117	LF	3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		8.64	3.39
		For Work In Restricted Working Space, Add		*2.03*	
22 07 19 00-1118	LF	4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		9.54	3.48
		For Work In Restricted Working Space, Add		*2.09*	
22 07 19 00-1119		3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1092)*			
22 07 19 00-1120	LF	1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.00	3.20
		For Work In Restricted Working Space, Add		*1.92*	
22 07 19 00-1121	LF	1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.04	3.20
		For Work In Restricted Working Space, Add		*1.92*	
22 07 19 00-1122	LF	3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.23	3.25
		For Work In Restricted Working Space, Add		*1.95*	
22 07 19 00-1123	LF	1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.50	3.35
		For Work In Restricted Working Space, Add		*2.00*	
22 07 19 00-1124	LF	3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		7.83	3.39
		For Work In Restricted Working Space, Add		*2.03*	
22 07 19 00-1125	LF	1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		8.19	3.48
		For Work In Restricted Working Space, Add		*2.09*	
22 07 19 00-1126	LF	1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		8.70	3.54
		For Work In Restricted Working Space, Add		*2.12*	
22 07 19 00-1127	LF	1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		9.04	3.54
		For Work In Restricted Working Space, Add		*2.13*	
22 07 19 00-1128	LF	2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		9.42	3.58
		For Work In Restricted Working Space, Add		*2.15*	
22 07 19 00-1129	LF	2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		10.19	3.67
		For Work In Restricted Working Space, Add		*2.21*	
22 07 19 00-1130	LF	3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		10.86	3.73
		For Work In Restricted Working Space, Add		*2.23*	
22 07 19 00-1131	LF	4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation		12.15	3.82
		For Work In Restricted Working Space, Add		*2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1132		1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1092)*		
22 07 19 00-1133	LF	1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.15	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1134	LF	1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.18	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1135	LF	3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.30	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1136	LF	1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.57	3.67
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1137	LF	3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.03	3.73
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-1138	LF	1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.47	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1139	LF	1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.91	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1140	LF	1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.31	3.92
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-1141	LF	2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.15	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1142	LF	2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.29	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1143	LF	3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.09	4.16
		For Work In Restricted Working Space, Add	*2.49*	

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 16 00-0001		Galvanized Steel Pipe Assemblies *(22 11 16)* Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	13.38	3.37
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*3.35*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.23*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.42	3.62
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.55*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.53*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.81	3.96
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.79*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.95*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	17.99	4.13
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*4.03*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.74*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.00	4.88
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*4.20*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.05*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.27	5.90
		For ASTM 120, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*4.78*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.04*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.81	6.99
		For ASTM 120, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*5.60*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*8.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	36.66	9.35
		For ASTM 120, Deduct	*-2.11*	
		For Work In Restricted Working Space, Add	*6.79*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*10.84*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	50.01	10.60
		For ASTM 120, Deduct	*-3.79*	
		For Work In Restricted Working Space, Add	*7.43*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*16.31*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	80.82	13.55
		For ASTM 120, Deduct	*-7.64*	
		For Work In Restricted Working Space, Add	*8.98*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*28.89*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	94.13	16.02
		For ASTM 120, Deduct	*-9.02*	
		For Work In Restricted Working Space, Add	*10.20*	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*33.86*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling.

22 11 16 00-0015	LF	1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.00	3.37
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Schedule 80 Pipe, Add	*0.94*	
22 11 16 00-0016	LF	3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.63	3.62
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*1.63*	
		For Schedule 80 Pipe, Add	*1.12*	
22 11 16 00-0017	LF	1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	7.66	3.96
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.77*	
		For Schedule 80 Pipe, Add	*1.44*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.64	4.13
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.87*	
		For Schedule 80 Pipe, Add	*1.78*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	10.20	4.88
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*2.20*	
		For Schedule 80 Pipe, Add	*2.11*	
22 11 16 00-0020	LF	2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	12.73	5.90
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Schedule 80 Pipe, Add	*2.74*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	16.65	6.99
		For ASTM 120, Deduct	*-0.92*	
		For Work In Restricted Working Space, Add	*3.16*	
		For Schedule 80 Pipe, Add	*3.99*	
22 11 16 00-0022	LF	3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	22.05	9.35
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Pipe, Add	*5.25*	
22 11 16 00-0023	LF	4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	27.35	10.60
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*4.79*	
		For Schedule 80 Pipe, Add	*7.07*	
22 11 16 00-0024	LF	5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	35.58	13.55
		For ASTM 120, Deduct	*-2.29*	
		For Work In Restricted Working Space, Add	*6.09*	
		For Schedule 80 Pipe, Add	*9.37*	
22 11 16 00-0025	LF	6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	43.84	16.02
		For ASTM 120, Deduct	*-2.98*	
		For Work In Restricted Working Space, Add	*7.20*	
		For Schedule 80 Pipe, Add	*11.92*	

22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0027	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	24.19	15.00
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*6.74*	
		For 300 LB Rating, Add	*7.23*	
22 11 16 00-0028	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	27.26	16.76
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*7.54*	
		For 300 LB Rating, Add	*8.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0029	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	32.01	18.70
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*15.05*	
22 11 16 00-0030	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	37.99	21.23
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*9.53*	
		For 300 LB Rating, Add	*23.02*	
22 11 16 00-0031	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	43.94	23.92
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*10.75*	
		For 300 LB Rating, Add	*29.69*	
22 11 16 00-0032	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	58.80	30.41
		For ASTM 120, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*47.85*	
22 11 16 00-0033	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	102.09	44.98
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*122.06*	
22 11 16 00-0034	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	145.89	59.13
		For ASTM 120, Deduct	*-8.58*	
		For Work In Restricted Working Space, Add	*26.60*	
		For 300 LB Rating, Add	*199.90*	
22 11 16 00-0035	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	193.93	62.01
		For ASTM 120, Deduct	*-15.14*	
		For Work In Restricted Working Space, Add	*27.90*	
		For 300 LB Rating, Add	*348.78*	
22 11 16 00-0036	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	532.95	64.72
		For ASTM 120, Deduct	*-65.39*	
		For Work In Restricted Working Space, Add	*29.11*	
		For 300 LB Rating, Add	*1,487.92*	
22 11 16 00-0037	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	503.31	67.67
		For ASTM 120, Deduct	*-60.28*	
		For Work In Restricted Working Space, Add	*30.44*	
		For 300 LB Rating, Add	*1,372.41*	

22 11 16 00-0038 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0039	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	27.49	15.83
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*7.14*	
22 11 16 00-0040	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	31.34	17.77
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0041	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	30.29	16.85
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*7.58*	
22 11 16 00-0042	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.86	19.96
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0043	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.99	18.95
		For ASTM 120, Deduct	*-1.43*	
		For Work In Restricted Working Space, Add	*8.54*	
22 11 16 00-0044	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.22	18.11
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0045	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	46.49	22.57
		For ASTM 120, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0046	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.63	21.31
		For ASTM 120, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0047	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	43.18	20.30
		For ASTM 120, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*9.15*	
22 11 16 00-0048	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	55.49	27.12
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0049	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	55.63	25.78
		For ASTM 120, Deduct	*-2.55*	
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-0050	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	54.42	24.51
		For ASTM 120, Deduct	*-2.64*	
		For Work In Restricted Working Space, Add	*11.04*	
22 11 16 00-0051	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	48.71	23.58
		For ASTM 120, Deduct	*-2.01*	
		For Work In Restricted Working Space, Add	*10.60*	
22 11 16 00-0052	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	106.67	37.65
		For ASTM 120, Deduct	*-7.53*	
		For Work In Restricted Working Space, Add	*16.94*	
22 11 16 00-0053	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	107.55	34.45
		For ASTM 120, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*15.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0054	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	169.28	52.05
		For ASTM 120, Deduct	*-13.69*	
		For Work In Restricted Working Space, Add	*23.41*	
22 11 16 00-0055	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	146.36	44.73
		For ASTM 120, Deduct	*-11.89*	
		For Work In Restricted Working Space, Add	*20.13*	
22 11 16 00-0056	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	294.96	58.98
		For ASTM 120, Deduct	*-30.98*	
		For Work In Restricted Working Space, Add	*26.54*	

22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0058	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	25.19	15.00
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*6.74*	
		For 300 LB Rating, Add	*10.63*	
22 11 16 00-0059	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	29.07	16.76
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*7.54*	
		For 300 LB Rating, Add	*14.87*	
22 11 16 00-0060	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	32.51	18.70
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*16.75*	
22 11 16 00-0061	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	40.06	21.23
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*9.53*	
		For 300 LB Rating, Add	*30.06*	
22 11 16 00-0062	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	45.57	23.92
		For ASTM 120, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*10.75*	
		For 300 LB Rating, Add	*35.23*	
22 11 16 00-0063	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	59.93	30.41
		For ASTM 120, Deduct	*-2.16*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*51.69*	
22 11 16 00-0064	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	117.46	44.98
		For ASTM 120, Deduct	*-7.51*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*174.31*	
22 11 16 00-0065	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	161.50	59.13
		For ASTM 120, Deduct	*-10.93*	
		For Work In Restricted Working Space, Add	*26.60*	
		For 300 LB Rating, Add	*252.98*	
22 11 16 00-0066	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	215.11	62.01
		For ASTM 120, Deduct	*-18.32*	
		For Work In Restricted Working Space, Add	*27.90*	
		For 300 LB Rating, Add	*420.79*	
22 11 16 00-0067	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	590.49	64.72
		For ASTM 120, Deduct	*-74.02*	
		For Work In Restricted Working Space, Add	*29.11*	
		For 300 LB Rating, Add	*1,683.55*	
22 11 16 00-0068	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	696.44	67.67
		For ASTM 120, Deduct	*-89.25*	
		For Work In Restricted Working Space, Add	*30.44*	
		For 300 LB Rating, Add	*2,029.05*	

22 11 16 00-0069 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0070	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	30.32	18.70
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*9.30*	
22 11 16 00-0071	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	36.09	21.65
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*9.72*	
		For 300 LB Rating, Add	*14.49*	
22 11 16 00-0072	EA	1", 150 LB, Galvanized Malleable Iron Tee	44.25	25.52
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*11.49*	
		For 300 LB Rating, Add	*22.56*	
22 11 16 00-0073	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	54.99	30.41
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*34.90*	
22 11 16 00-0074	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	66.10	36.22
		For ASTM 120, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*16.30*	
		For 300 LB Rating, Add	*43.24*	
22 11 16 00-0075	EA	2", 150 LB, Galvanized Malleable Iron Tee	86.49	44.98
		For ASTM 120, Deduct	*-2.87*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*69.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0076	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	127.04	48.85
		For ASTM 120, Deduct	*-8.07*	
		For Work In Restricted Working Space, Add	*21.97*	
		For 300 LB Rating, Add	*187.31*	
22 11 16 00-0077	EA	3", 150 LB, Galvanized Malleable Iron Tee	151.75	59.13
		For ASTM 120, Deduct	*-9.46*	
		For Work In Restricted Working Space, Add	*26.60*	
		For 300 LB Rating, Add	*219.83*	
22 11 16 00-0078	EA	4", 150 LB, Galvanized Malleable Iron Tee	266.73	78.35
		For ASTM 120, Deduct	*-22.39*	
		For Work In Restricted Working Space, Add	*35.24*	
		For 300 LB Rating, Add	*514.53*	
22 11 16 00-0079	EA	5", 150 LB, Galvanized Malleable Iron Tee	608.67	93.02
		For ASTM 120, Deduct	*-70.38*	
		For Work In Restricted Working Space, Add	*41.85*	
		For 300 LB Rating, Add	*1,603.58*	
22 11 16 00-0080	EA	6", 150 LB, Galvanized Malleable Iron Tee	691.57	106.34
		For ASTM 120, Deduct	*-79.82*	
		For Work In Restricted Working Space, Add	*47.82*	
		For 300 LB Rating, Add	*1,818.91*	

22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0082	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	33.28	18.70
		For ASTM 120, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*19.36*	
22 11 16 00-0083	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	37.52	21.65
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*9.72*	
		For 300 LB Rating, Add	*19.35*	
22 11 16 00-0084	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	45.49	25.52
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*11.49*	
		For 300 LB Rating, Add	*26.78*	
22 11 16 00-0085	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	56.70	30.41
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*40.71*	
22 11 16 00-0086	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	68.13	36.22
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*16.30*	
		For 300 LB Rating, Add	*50.15*	
22 11 16 00-0087	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	87.51	44.98
		For ASTM 120, Deduct	*-3.02*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*72.48*	
22 11 16 00-0088	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	144.58	49.02
		For ASTM 120, Deduct	*-10.67*	
		For Work In Restricted Working Space, Add	*22.04*	
		For 300 LB Rating, Add	*246.18*	
22 11 16 00-0089	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	182.30	60.06
		For ASTM 120, Deduct	*-13.83*	
		For Work In Restricted Working Space, Add	*27.02*	
		For 300 LB Rating, Add	*318.99*	
22 11 16 00-0090	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	384.82	78.35
		For ASTM 120, Deduct	*-40.10*	
		For Work In Restricted Working Space, Add	*35.24*	
		For 300 LB Rating, Add	*916.04*	
22 11 16 00-0091	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	759.60	93.02
		For ASTM 120, Deduct	*-93.02*	
		For Work In Restricted Working Space, Add	*41.85*	
		For 300 LB Rating, Add	*2,116.74*	
22 11 16 00-0092	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	862.76	106.34
		For ASTM 120, Deduct	*-105.50*	
		For Work In Restricted Working Space, Add	*47.82*	
		For 300 LB Rating, Add	*2,400.95*	

22 11 16 00-0093 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0094	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	24.99	15.00
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*6.74*	
		For 300 LB Rating, Add	*9.95*	
22 11 16 00-0095	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	28.05	16.76
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*7.54*	
		For 300 LB Rating, Add	*11.40*	
22 11 16 00-0096	EA	1", 150 LB, Galvanized Malleable Iron Coupling	32.85	18.70
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0097	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	38.51	21.23
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*9.53*	
		For 300 LB Rating, Add	*24.79*	
22 11 16 00-0098	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	43.49	23.92
		For ASTM 120, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*10.75*	
		For 300 LB Rating, Add	*28.16*	
22 11 16 00-0099	EA	2", 150 LB, Galvanized Malleable Iron Coupling	56.72	30.41
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*40.78*	
22 11 16 00-0100	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	101.63	44.98
		For ASTM 120, Deduct	*-5.14*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*120.49*	
22 11 16 00-0101	EA	3", 150 LB, Galvanized Malleable Iron Coupling	134.44	59.13
		For ASTM 120, Deduct	*-6.87*	
		For Work In Restricted Working Space, Add	*26.60*	
		For 300 LB Rating, Add	*160.97*	
22 11 16 00-0102	EA	4", 150 LB, Galvanized Malleable Iron Coupling	190.21	62.01
		For ASTM 120, Deduct	*-14.58*	
		For Work In Restricted Working Space, Add	*27.90*	
		For 300 LB Rating, Add	*336.13*	
22 11 16 00-0103	EA	5", 150 LB, Galvanized Malleable Iron Coupling	370.79	64.72
		For ASTM 120, Deduct	*-41.06*	
		For Work In Restricted Working Space, Add	*29.11*	
		For 300 LB Rating, Add	*936.57*	
22 11 16 00-0104	EA	6", 150 LB, Galvanized Malleable Iron Coupling	413.33	67.67
		For ASTM 120, Deduct	*-46.78*	
		For Work In Restricted Working Space, Add	*30.44*	
		For 300 LB Rating, Add	*1,066.48*	

22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0106	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	25.53	15.00
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*6.74*	
		For 300 LB Rating, Add	*11.79*	
22 11 16 00-0107	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	28.42	16.76
		For ASTM 120, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*7.54*	
		For 300 LB Rating, Add	*12.66*	
22 11 16 00-0108	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	33.54	18.70
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*8.42*	
		For 300 LB Rating, Add	*20.25*	
22 11 16 00-0109	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	38.85	21.23
		For ASTM 120, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*9.53*	
		For 300 LB Rating, Add	*25.94*	
22 11 16 00-0110	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	44.95	23.92
		For ASTM 120, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*10.75*	
		For 300 LB Rating, Add	*33.12*	
22 11 16 00-0111	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	57.96	30.41
		For ASTM 120, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*13.66*	
		For 300 LB Rating, Add	*44.99*	
22 11 16 00-0112	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	102.06	44.98
		For ASTM 120, Deduct	*-5.20*	
		For Work In Restricted Working Space, Add	*20.21*	
		For 300 LB Rating, Add	*121.95*	
22 11 16 00-0113	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	133.14	59.13
		For ASTM 120, Deduct	*-6.67*	
		For Work In Restricted Working Space, Add	*26.60*	
		For 300 LB Rating, Add	*156.55*	
22 11 16 00-0114	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	192.71	62.01
		For ASTM 120, Deduct	*-14.96*	
		For Work In Restricted Working Space, Add	*27.90*	
		For 300 LB Rating, Add	*344.63*	
22 11 16 00-0115	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	385.20	64.72
		For ASTM 120, Deduct	*-43.22*	
		For Work In Restricted Working Space, Add	*29.11*	
		For 300 LB Rating, Add	*985.57*	
22 11 16 00-0116	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	429.74	67.67
		For ASTM 120, Deduct	*-49.24*	
		For Work In Restricted Working Space, Add	*30.44*	
		For 300 LB Rating, Add	*1,122.27*	

22 11 16 00-0117 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0118	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	12.44	6.99
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.16*	
		For 300 LB Rating, Add	*7.13*	
22 11 16 00-0119	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	13.88	7.50
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*3.37*	
		For 300 LB Rating, Add	*9.68*	
22 11 16 00-0120	EA	1", 150 LB, Galvanized Malleable Iron Cap	16.24	8.68
		For ASTM 120, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*3.89*	
		For 300 LB Rating, Add	*11.93*	
22 11 16 00-0121	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	17.91	9.10
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*4.08*	
		For 300 LB Rating, Add	*15.50*	
22 11 16 00-0122	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	19.13	9.10
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*4.08*	
		For 300 LB Rating, Add	*19.65*	
22 11 16 00-0123	EA	2", 150 LB, Galvanized Malleable Iron Cap	25.87	12.05
		For ASTM 120, Deduct	*-1.16*	
		For Work In Restricted Working Space, Add	*5.44*	
		For 300 LB Rating, Add	*27.44*	
22 11 16 00-0124	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	44.98	15.00
		For ASTM 120, Deduct	*-3.38*	
		For Work In Restricted Working Space, Add	*6.74*	
		For 300 LB Rating, Add	*77.92*	
22 11 16 00-0125	EA	3", 150 LB, Galvanized Malleable Iron Cap	54.46	18.11
		For ASTM 120, Deduct	*-4.09*	
		For Work In Restricted Working Space, Add	*8.15*	
		For 300 LB Rating, Add	*94.42*	
22 11 16 00-0126	EA	4", 150 LB, Galvanized Malleable Iron Cap	92.18	21.29
		For ASTM 120, Deduct	*-9.05*	
		For Work In Restricted Working Space, Add	*9.56*	
		For 300 LB Rating, Add	*206.93*	
22 11 16 00-0127	EA	5", 150 LB, Galvanized Malleable Iron Cap	201.63	26.62
		For ASTM 120, Deduct	*-24.27*	
		For Work In Restricted Working Space, Add	*11.96*	
		For 300 LB Rating, Add	*552.44*	
22 11 16 00-0128	EA	6", 150 LB, Galvanized Malleable Iron Cap	251.94	31.64
		For ASTM 120, Deduct	*-30.67*	
		For Work In Restricted Working Space, Add	*14.25*	
		For 300 LB Rating, Add	*697.98*	

22 11 16 00-0129 Galvanized Malleable Iron Unions *(22 11 16 00-0013)*

22 11 16 00-0130	EA	1/2", 150 LB, Galvanized Malleable Iron Union	35.55	18.70
		For Work In Restricted Working Space, Add	*8.42*	
22 11 16 00-0131	EA	3/4", 150 LB, Galvanized Malleable Iron Union	40.99	21.65
		For Work In Restricted Working Space, Add	*9.72*	
22 11 16 00-0132	EA	1", 150 LB, Galvanized Malleable Iron Union	49.54	25.52
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0133	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	61.79	30.41
		For Work In Restricted Working Space, Add	*13.66*	
22 11 16 00-0134	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	74.04	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 11 16 00-0135	EA	2", 150 LB, Galvanized Malleable Iron Union	90.03	44.98
		For Work In Restricted Working Space, Add	*20.21*	
22 11 16 00-0136	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	178.15	66.29
		For Work In Restricted Working Space, Add	*29.84*	
22 11 16 00-0137	EA	3", 150 LB, Galvanized Malleable Iron Union	241.00	87.18
		For Work In Restricted Working Space, Add	*39.26*	
22 11 16 00-0138	EA	1/2", 250 LB, Galvanized Malleable Iron Union	43.27	18.70
		For Work In Restricted Working Space, Add	*8.42*	
22 11 16 00-0139	EA	3/4", 250 LB, Galvanized Malleable Iron Union	46.21	21.65
		For Work In Restricted Working Space, Add	*9.72*	
22 11 16 00-0140	EA	1", 250 LB, Galvanized Malleable Iron Union	55.41	25.52
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0141	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union	71.45	30.41
		For Work In Restricted Working Space, Add	*13.66*	
22 11 16 00-0142	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union	84.20	36.22
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0143	EA	2", 250 LB, Galvanized Malleable Iron Union	109.53	44.98
		For Work In Restricted Working Space, Add	*20.21*	
22 11 16 00-0144	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union	210.36	66.29
		For Work In Restricted Working Space, Add	*29.84*	
22 11 16 00-0145	EA	3", 250 LB, Galvanized Malleable Iron Union	301.01	87.18
		For Work In Restricted Working Space, Add	*39.26*	
22 11 16 00-0146	EA	4", 250 LB, Galvanized Malleable Iron Union	404.14	91.51
		For Work In Restricted Working Space, Add	*41.18*	
22 11 16 00-0147	EA	1/2", 300 LB, Galvanized Malleable Iron Union	45.39	18.70
		For Work In Restricted Working Space, Add	*8.42*	
22 11 16 00-0148	EA	3/4", 300 LB, Galvanized Malleable Iron Union	51.18	21.65
		For Work In Restricted Working Space, Add	*9.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0149	EA	1", 300 LB, Galvanized Malleable Iron Union	63.20	25.52
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0150	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union	80.26	30.41
		For Work In Restricted Working Space, Add	*13.66*	
22 11 16 00-0151	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union	96.18	36.22
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0152	EA	2", 300 LB, Galvanized Malleable Iron Union	117.58	44.98
		For Work In Restricted Working Space, Add	*20.21*	
22 11 16 00-0153	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union	239.52	66.29
		For Work In Restricted Working Space, Add	*29.84*	
22 11 16 00-0154	EA	3", 300 LB, Galvanized Malleable Iron Union	367.72	87.18
		For Work In Restricted Working Space, Add	*39.26*	
22 11 16 00-0155	EA	4", 300 LB, Galvanized Malleable Iron Union	731.27	91.51
		For Work In Restricted Working Space, Add	*41.18*	

22 11 16 00-0156 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0157	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	12.81	8.00
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.88*	
22 11 16 00-0158	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	12.66	8.00
		For ASTM 120, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.71*	
22 11 16 00-0159	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	12.79	8.00
		For ASTM 120, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.86*	
22 11 16 00-0160	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	14.00	8.68
		For ASTM 120, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.19*	
22 11 16 00-0161	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	15.43	9.35
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*1.58*	
22 11 16 00-0162	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	15.67	9.35
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*1.86*	
22 11 16 00-0163	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	20.42	12.05
		For ASTM 120, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*2.62*	
22 11 16 00-0164	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	29.30	15.00
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*7.80*	
22 11 16 00-0165	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	35.37	18.11
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*9.35*	
22 11 16 00-0166	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	44.17	21.29
		For ASTM 120, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*14.01*	
22 11 16 00-0167	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.92	8.00
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.00*	
22 11 16 00-0168	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.69	8.00
		For ASTM 120, Deduct	*-0.10*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.74*	
22 11 16 00-0169	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.86	8.00
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.93*	
22 11 16 00-0170	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.92	8.00
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.00*	
22 11 16 00-0171	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.69	8.00
		For ASTM 120, Deduct	*-0.10*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.74*	
22 11 16 00-0172	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.86	8.00
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.93*	
22 11 16 00-0173	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.18	8.68
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0174	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.53	9.35
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*1.70*	
22 11 16 00-0175	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.79	9.35
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.00*	
22 11 16 00-0176	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.22	8.00
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.35*	
22 11 16 00-0177	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.81	8.00
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.88*	
22 11 16 00-0178	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.95	8.00
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.04*	
22 11 16 00-0179	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.28	8.68
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.50*	
22 11 16 00-0180	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.68	9.35
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*1.87*	
22 11 16 00-0181	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.99	9.35
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0182	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.71	12.05
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*2.95*	
22 11 16 00-0183	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	13.22	8.00
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.35*	
22 11 16 00-0184	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.81	8.00
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*0.88*	
22 11 16 00-0185	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.95	8.00
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.04*	
22 11 16 00-0186	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.28	8.68
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.50*	
22 11 16 00-0187	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.68	9.35
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*1.87*	
22 11 16 00-0188	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.99	9.35
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0189	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.71	12.05
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*2.95*	
22 11 16 00-0190	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	29.56	15.00
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*8.09*	
22 11 16 00-0191	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	36.50	18.11
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*10.64*	
22 11 16 00-0192	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.44	8.00
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.60*	
22 11 16 00-0193	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.99	8.00
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.08*	
22 11 16 00-0194	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.22	8.00
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0195	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.55	8.68
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.81*	
22 11 16 00-0196	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.99	9.35
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0197	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.51	9.35
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.82*	
22 11 16 00-0198	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.26	12.05
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*3.58*	
22 11 16 00-0199	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.70	15.00
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*9.39*	
22 11 16 00-0200	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	38.11	18.11
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*12.47*	
22 11 16 00-0201	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.44	8.00
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.60*	
22 11 16 00-0202	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.99	8.00
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.08*	
22 11 16 00-0203	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.44	8.00
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.60*	
22 11 16 00-0204	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.55	8.68
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*1.81*	
22 11 16 00-0205	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.99	9.35
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0206	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	16.51	9.35
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.82*	
22 11 16 00-0207	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.29	12.05
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*3.61*	
22 11 16 00-0208	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	30.70	15.00
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*9.39*	
22 11 16 00-0209	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	38.11	18.11
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*12.47*	
22 11 16 00-0210	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	46.57	21.29
		For ASTM 120, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*16.75*	
22 11 16 00-0211	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.96	8.00
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*2.19*	
22 11 16 00-0212	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.18	8.00
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.30*	
22 11 16 00-0213	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.44	8.00
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.60*	
22 11 16 00-0214	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.91	8.68
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0215	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.45	9.35
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0216	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.02	9.35
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*3.40*	
22 11 16 00-0217	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.13	12.05
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*4.57*	
22 11 16 00-0218	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	31.65	15.00
		For ASTM 120, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*10.48*	
22 11 16 00-0219	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	39.92	18.11
		For ASTM 120, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*14.54*	
22 11 16 00-0220	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	48.35	21.29
		For ASTM 120, Deduct	*-2.47*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*18.78*	
22 11 16 00-0221	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.96	8.00
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*2.19*	
22 11 16 00-0222	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.18	8.00
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.30*	
22 11 16 00-0223	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.44	8.00
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.60*	
22 11 16 00-0224	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.91	8.68
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*2.22*	
22 11 16 00-0225	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	16.45	9.35
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*2.75*	
22 11 16 00-0226	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	17.02	9.35
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*3.40*	
22 11 16 00-0227	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	22.13	12.05
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*4.57*	
22 11 16 00-0228	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	31.65	15.00
		For ASTM 120, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*10.48*	
22 11 16 00-0229	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	39.92	18.11
		For ASTM 120, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*14.54*	
22 11 16 00-0230	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	48.35	21.29
		For ASTM 120, Deduct	*-2.47*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*18.78*	
22 11 16 00-0231	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.18	8.00
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*2.44*	
22 11 16 00-0232	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.34	8.00
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.48*	
22 11 16 00-0233	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.72	8.00
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*1.92*	
22 11 16 00-0234	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.17	8.68
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*2.52*	
22 11 16 00-0235	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	16.84	9.35
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*3.19*	
22 11 16 00-0236	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	17.39	9.35
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0237	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.78	12.05
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*5.31*	
22 11 16 00-0238	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	32.56	15.00
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*11.51*	
22 11 16 00-0239	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	40.66	18.11
		For ASTM 120, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*15.38*	
22 11 16 00-0240	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	50.09	21.29
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*20.76*	
22 11 16 00-0241	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	20.58	8.00
		For ASTM 120, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*9.74*	
22 11 16 00-0242	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.00
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*2.60*	
22 11 16 00-0243	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	14.96	8.00
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*3.33*	
22 11 16 00-0244	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.66	8.68
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*4.22*	
22 11 16 00-0245	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	18.58	9.35
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*5.18*	
22 11 16 00-0246	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	19.24	9.35
		For ASTM 120, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*5.93*	
22 11 16 00-0247	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	25.71	12.05
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*8.65*	
22 11 16 00-0248	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	35.46	15.00
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*14.82*	
22 11 16 00-0249	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	45.34	18.11
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*20.71*	
22 11 16 00-0250	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	53.61	21.29
		For ASTM 120, Deduct	*-3.26*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*24.77*	
22 11 16 00-0251	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	16.12	8.00
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*4.65*	
22 11 16 00-0252	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	14.75	8.00
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*3.09*	
22 11 16 00-0253	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	15.28	8.00
		For ASTM 120, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*3.69*	
22 11 16 00-0254	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.19	8.68
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*4.82*	
22 11 16 00-0255	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	19.46	9.35
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*6.18*	
22 11 16 00-0256	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	20.11	9.35
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*6.92*	
22 11 16 00-0257	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	27.00	12.05
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0258	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	37.28	15.00
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*16.89*	
22 11 16 00-0259	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	47.90	18.11
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*23.63*	
22 11 16 00-0260	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	57.07	21.29
		For ASTM 120, Deduct	*-3.78*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*28.72*	
22 11 16 00-0261	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	16.56	8.00
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*5.15*	
22 11 16 00-0262	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	15.13	8.00
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*3.52*	
22 11 16 00-0263	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	15.67	8.00
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.61*	
		For Schedule 80 Nipples, Add	*4.14*	
22 11 16 00-0264	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	17.88	8.68
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Schedule 80 Nipples, Add	*5.61*	
22 11 16 00-0265	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	20.55	9.35
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*7.42*	
22 11 16 00-0266	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	20.98	9.35
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*4.21*	
		For Schedule 80 Nipples, Add	*7.91*	
22 11 16 00-0267	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.31	12.05
		For ASTM 120, Deduct	*-1.53*	
		For Work In Restricted Working Space, Add	*5.44*	
		For Schedule 80 Nipples, Add	*11.62*	
22 11 16 00-0268	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	39.04	15.00
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Schedule 80 Nipples, Add	*18.90*	
22 11 16 00-0269	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	50.48	18.11
		For ASTM 120, Deduct	*-3.50*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Schedule 80 Nipples, Add	*26.57*	
22 11 16 00-0270	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	60.55	21.29
		For ASTM 120, Deduct	*-4.30*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*32.68*	

22 11 16 00-0271 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0272	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	12.07	5.98
		For Work In Restricted Working Space, Add	*2.70*	
		For 300 LB Rating, Add	*11.01*	
22 11 16 00-0273	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	13.13	6.74
		For Work In Restricted Working Space, Add	*3.02*	
		For 300 LB Rating, Add	*11.08*	
22 11 16 00-0274	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	14.61	7.50
		For Work In Restricted Working Space, Add	*3.37*	
		For 300 LB Rating, Add	*12.17*	
22 11 16 00-0275	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	17.91	8.50
		For Work In Restricted Working Space, Add	*3.81*	
		For 300 LB Rating, Add	*18.44*	
22 11 16 00-0276	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	21.33	9.52
		For Work In Restricted Working Space, Add	*4.30*	
		For 300 LB Rating, Add	*24.66*	
22 11 16 00-0277	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	27.11	12.13
		For Work In Restricted Working Space, Add	*5.46*	
		For 300 LB Rating, Add	*31.35*	
22 11 16 00-0278	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	44.31	17.95
		For Work In Restricted Working Space, Add	*8.09*	
		For 300 LB Rating, Add	*60.64*	
22 11 16 00-0279	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	60.09	23.67
		For Work In Restricted Working Space, Add	*10.64*	
		For 300 LB Rating, Add	*85.84*	
22 11 16 00-0280	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	88.32	24.79
		For Work In Restricted Working Space, Add	*11.16*	
		For 300 LB Rating, Add	*176.04*	
22 11 16 00-0281	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	132.60	25.91
		For Work In Restricted Working Space, Add	*11.64*	
		For 300 LB Rating, Add	*321.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0282	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	141.98	27.02
		For Work In Restricted Working Space, Add	*12.17*	
		For 300 LB Rating, Add	*347.19*	

22 11 16 00-0283 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0284	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	27.98	15.83
		For Work In Restricted Working Space, Add	*7.14*	
22 11 16 00-0285	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	30.27	16.85
		For Work In Restricted Working Space, Add	*7.58*	
22 11 16 00-0286	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	31.34	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0287	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	34.12	18.11
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0288	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	34.82	18.95
		For Work In Restricted Working Space, Add	*8.54*	
22 11 16 00-0289	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing	36.28	19.96
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0290	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	38.40	19.45
		For Work In Restricted Working Space, Add	*8.75*	
22 11 16 00-0291	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	39.75	20.30
		For Work In Restricted Working Space, Add	*9.15*	
22 11 16 00-0292	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	40.29	21.31
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0293	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	41.51	22.57
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0294	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	45.55	22.66
		For Work In Restricted Working Space, Add	*10.20*	
22 11 16 00-0295	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	46.09	23.58
		For Work In Restricted Working Space, Add	*10.60*	
22 11 16 00-0296	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	46.96	24.51
		For Work In Restricted Working Space, Add	*11.04*	
22 11 16 00-0297	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	48.81	25.78
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-0298	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	49.59	27.12
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0299	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	62.98	30.83
		For Work In Restricted Working Space, Add	*13.88*	
22 11 16 00-0300	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	64.45	31.83
		For Work In Restricted Working Space, Add	*14.32*	
22 11 16 00-0301	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	66.30	33.02
		For Work In Restricted Working Space, Add	*14.88*	
22 11 16 00-0302	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	68.01	34.45
		For Work In Restricted Working Space, Add	*15.48*	
22 11 16 00-0303	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	70.99	37.65
		For Work In Restricted Working Space, Add	*16.94*	
22 11 16 00-0304	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	78.97	37.90
		For Work In Restricted Working Space, Add	*17.07*	
22 11 16 00-0305	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	80.43	38.91
		For Work In Restricted Working Space, Add	*17.51*	
22 11 16 00-0306	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	82.29	40.18
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0307	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	83.88	41.53
		For Work In Restricted Working Space, Add	*18.68*	
22 11 16 00-0308	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	86.71	44.73
		For Work In Restricted Working Space, Add	*20.13*	
22 11 16 00-0309	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	98.77	52.05
		For Work In Restricted Working Space, Add	*23.41*	
22 11 16 00-0310	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	104.64	38.89
		For Work In Restricted Working Space, Add	*17.52*	
22 11 16 00-0311	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	106.03	39.85
		For Work In Restricted Working Space, Add	*17.94*	
22 11 16 00-0312	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	107.78	41.05
		For Work In Restricted Working Space, Add	*18.46*	
22 11 16 00-0313	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	109.69	42.33
		For Work In Restricted Working Space, Add	*19.04*	
22 11 16 00-0314	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	108.83	45.35
		For Work In Restricted Working Space, Add	*20.41*	
22 11 16 00-0315	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	124.62	52.29
		For Work In Restricted Working Space, Add	*23.51*	
22 11 16 00-0316	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	131.64	58.98
		For Work In Restricted Working Space, Add	*26.54*	

22 11 16 00-0317 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

22 11 16 00-0318	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	52.51	30.78
22 11 16 00-0319	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	57.39	33.70
22 11 16 00-0320	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	66.01	38.07
22 11 16 00-0321	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	68.63	39.42
22 11 16 00-0322	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	74.69	42.88
22 11 16 00-0323	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	80.66	44.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0324		**Galvanized Cast Iron Flanges** *(22 11 16 00-0013)*		
22 11 16 00-0325	EA	3/4", 125 LB, Galvanized Cast Iron Flange	104.02	33.70
		For Work In Restricted Working Space, Add	*15.16*	
22 11 16 00-0326	EA	1", 125 LB, Galvanized Cast Iron Flange	98.52	38.07
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0327	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	80.99	39.42
		For Work In Restricted Working Space, Add	*17.73*	
22 11 16 00-0328	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	112.94	42.88
		For Work In Restricted Working Space, Add	*19.29*	
22 11 16 00-0329	EA	2", 125 LB, Galvanized Cast Iron Flange	109.88	44.73
		For Work In Restricted Working Space, Add	*20.13*	
22 11 16 00-0330	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	127.66	51.80
		For Work In Restricted Working Space, Add	*23.29*	
22 11 16 00-0331	EA	3", 125 LB, Galvanized Cast Iron Flange	233.64	65.70
		For Work In Restricted Working Space, Add	*29.55*	
22 11 16 00-0332	EA	4", 125 LB, Galvanized Cast Iron Flange	210.33	85.05
		For Work In Restricted Working Space, Add	*38.25*	
22 11 16 00-0333	EA	5", 125 LB, Galvanized Cast Iron Flange	281.83	101.23
		For Work In Restricted Working Space, Add	*45.54*	
22 11 16 00-0334	EA	6", 125 LB, Galvanized Cast Iron Flange	313.35	116.30
		For Work In Restricted Working Space, Add	*52.31*	
22 11 16 00-0335		**Cut And Thread Existing In-Place Galvanized Steel Pipe** *(22 11 16 00-0013)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0336	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	27.45	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0337	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	30.20	
		For Work In Restricted Working Space, Add	*9.06*	
22 11 16 00-0338	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	32.94	
		For Work In Restricted Working Space, Add	*9.88*	
22 11 16 00-0339	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	35.68	
		For Work In Restricted Working Space, Add	*10.70*	
22 11 16 00-0340	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	37.51	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0341	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	39.35	
		For Work In Restricted Working Space, Add	*11.81*	
22 11 16 00-0342	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	41.18	
		For Work In Restricted Working Space, Add	*12.35*	
22 11 16 00-0343	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	43.01	
		For Work In Restricted Working Space, Add	*12.90*	
22 11 16 00-0344	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	44.84	
		For Work In Restricted Working Space, Add	*13.45*	
22 11 16 00-0345		**Copper Pipe And Fittings** *(22 11 16)*		
		Note: Excludes hangers. See CSI section 22 11 16 00-0876 for pipe with fittings assembly.		
22 11 16 00-0346		**Copper Tube/Pipe** *(22 11 16 00-0345)*		
		Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347		**Hard Drawn Type L Copper Tube/Pipe** *(22 11 16 00-0346)*		
22 11 16 00-0348	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	4.17	2.06
		For Work In Restricted Working Space, Add	*0.93*	
		For Medical/Oxygen Service Tubing, Add	*0.09*	
22 11 16 00-0349	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	4.80	2.14
		For Work In Restricted Working Space, Add	*0.97*	
		For Medical/Oxygen Service Tubing, Add	*0.13*	
22 11 16 00-0350	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	5.24	2.23
		For Work In Restricted Working Space, Add	*1.01*	
		For Medical/Oxygen Service Tubing, Add	*0.15*	
22 11 16 00-0351	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	6.62	2.37
		For Work In Restricted Working Space, Add	*1.07*	
		For Medical/Oxygen Service Tubing, Add	*0.25*	
22 11 16 00-0352	LF	1" Hard Drawn Type L Copper Tube/Pipe	8.43	2.67
		For Work In Restricted Working Space, Add	*1.20*	
		For Medical/Oxygen Service Tubing, Add	*0.36*	
22 11 16 00-0353	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	12.06	3.96
		For Work In Restricted Working Space, Add	*1.78*	
		For Medical/Oxygen Service Tubing, Add	*0.49*	
22 11 16 00-0354	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	14.49	4.42
		For Work In Restricted Working Space, Add	*1.99*	
		For Medical/Oxygen Service Tubing, Add	*0.63*	
22 11 16 00-0355	LF	2" Hard Drawn Type L Copper Tube/Pipe	20.63	5.45
		For Work In Restricted Working Space, Add	*2.45*	
		For Medical/Oxygen Service Tubing, Add	*1.00*	
22 11 16 00-0356	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	38.42	6.81
		For Work In Restricted Working Space, Add	*6.13*	
		For Medical/Oxygen Service Tubing, Add	*1.44*	
22 11 16 00-0357	LF	3" Hard Drawn Type L Copper Tube/Pipe	46.65	7.56
		For Work In Restricted Working Space, Add	*6.80*	
		For Medical/Oxygen Service Tubing, Add	*1.92*	
22 11 16 00-0358	LF	4" Hard Drawn Type L Copper Tube/Pipe	68.31	8.52
		For Work In Restricted Working Space, Add	*7.67*	
		For Medical/Oxygen Service Tubing, Add	*3.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0359	LF	5" Hard Drawn Type L Copper Tube/Pipe	104.89	9.78
		For Work In Restricted Working Space, Add	*8.81*	
		For Medical/Oxygen Service Tubing, Add	*6.04*	
22 11 16 00-0360	LF	6" Hard Drawn Type L Copper Tube/Pipe	144.85	15.17
		For Work In Restricted Working Space, Add	*13.64*	
		For Medical/Oxygen Service Tubing, Add	*7.95*	
22 11 16 00-0361	LF	8" Hard Drawn Type L Copper Tube/Pipe	237.84	16.86
		For Work In Restricted Working Space, Add	*15.17*	
		For Medical/Oxygen Service Tubing, Add	*14.98*	

22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0346)*

22 11 16 00-0363	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	4.54	2.21
		For Work In Restricted Working Space, Add	*1.00*	
		For Medical/Oxygen Service Tubing, Add	*0.10*	
22 11 16 00-0364	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	5.98	2.53
		For Work In Restricted Working Space, Add	*1.14*	
		For Medical/Oxygen Service Tubing, Add	*0.18*	
22 11 16 00-0365	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	6.27	2.46
		For Work In Restricted Working Space, Add	*1.11*	
		For Medical/Oxygen Service Tubing, Add	*0.21*	
22 11 16 00-0366	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	8.92	2.86
		For Work In Restricted Working Space, Add	*1.29*	
		For Medical/Oxygen Service Tubing, Add	*0.37*	
22 11 16 00-0367	LF	1" Hard Drawn Type K Copper Tube/Pipe	10.71	3.04
		For Work In Restricted Working Space, Add	*1.37*	
		For Medical/Oxygen Service Tubing, Add	*0.49*	
22 11 16 00-0368	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	14.12	4.31
		For Work In Restricted Working Space, Add	*1.94*	
		For Medical/Oxygen Service Tubing, Add	*0.61*	
22 11 16 00-0369	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	17.07	4.84
		For Work In Restricted Working Space, Add	*2.18*	
		For Medical/Oxygen Service Tubing, Add	*0.78*	
22 11 16 00-0370	LF	2" Hard Drawn Type K Copper Tube/Pipe	23.97	5.94
		For Work In Restricted Working Space, Add	*2.67*	
		For Medical/Oxygen Service Tubing, Add	*1.21*	
22 11 16 00-0371	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	44.75	14.87
		For Work In Restricted Working Space, Add	*6.68*	
		For Medical/Oxygen Service Tubing, Add	*1.80*	
22 11 16 00-0372	LF	3" Hard Drawn Type K Copper Tube/Pipe	55.63	16.63
		For Work In Restricted Working Space, Add	*7.48*	
		For Medical/Oxygen Service Tubing, Add	*2.46*	
22 11 16 00-0373	LF	4" Hard Drawn Type K Copper Tube/Pipe	82.98	18.83
		For Work In Restricted Working Space, Add	*8.47*	
		For Medical/Oxygen Service Tubing, Add	*4.38*	
22 11 16 00-0374	LF	5" Hard Drawn Type K Copper Tube/Pipe	133.63	22.23
		For Work In Restricted Working Space, Add	*10.00*	
		For Medical/Oxygen Service Tubing, Add	*8.02*	
22 11 16 00-0375	LF	6" Hard Drawn Type K Copper Tube/Pipe	197.65	35.84
		For Work In Restricted Working Space, Add	*16.12*	
		For Medical/Oxygen Service Tubing, Add	*11.51*	
22 11 16 00-0376	LF	8" Hard Drawn Type K Copper Tube/Pipe	328.70	39.49
		For Work In Restricted Working Space, Add	*17.76*	
		For Medical/Oxygen Service Tubing, Add	*21.56*	

22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0346)*

22 11 16 00-0378	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	3.80	1.71
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0379	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	4.04	1.76
		For Work In Restricted Working Space, Add	*0.80*	
22 11 16 00-0380	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	5.07	1.88
		For Work In Restricted Working Space, Add	*0.85*	
22 11 16 00-0381	LF	1" Hard Drawn Type M Copper Tube/Pipe	6.60	2.09
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0382	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	9.89	3.23
		For Work In Restricted Working Space, Add	*1.45*	
22 11 16 00-0383	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	12.53	3.71
		For Work In Restricted Working Space, Add	*1.67*	
22 11 16 00-0384	LF	2" Hard Drawn Type M Copper Tube/Pipe	17.85	4.60
		For Work In Restricted Working Space, Add	*2.07*	
22 11 16 00-0385	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	34.47	12.39
		For Work In Restricted Working Space, Add	*5.57*	
22 11 16 00-0386	LF	3" Hard Drawn Type M Copper Tube/Pipe	41.57	13.63
		For Work In Restricted Working Space, Add	*6.13*	
22 11 16 00-0387	LF	4" Hard Drawn Type M Copper Tube/Pipe	63.43	15.90
		For Work In Restricted Working Space, Add	*7.15*	
22 11 16 00-0388	LF	5" Hard Drawn Type M Copper Tube/Pipe	104.38	18.36
		For Work In Restricted Working Space, Add	*8.26*	
22 11 16 00-0389	LF	6" Hard Drawn Type M Copper Tube/Pipe	145.30	28.43
		For Work In Restricted Working Space, Add	*12.79*	
22 11 16 00-0390	LF	8" Hard Drawn Type M Copper Tube/Pipe	241.46	31.28
		For Work In Restricted Working Space, Add	*14.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391		**Soft Drawn Type L Copper Tube** *(22 11 16 00-0346)*		
22 11 16 00-0392	LF	1/4" Soft Drawn Type L Copper Tube	4.48	0.23
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0393	LF	3/8" Soft Drawn Type L Copper Tube	5.39	2.14
		For Work In Restricted Working Space, Add	*0.97*	
22 11 16 00-0394	LF	1/2" Soft Drawn Type L Copper Tube	6.26	2.23
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0395	LF	5/8" Soft Drawn Type L Copper Tube	7.19	2.30
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0396	LF	3/4" Soft Drawn Type L Copper Tube	8.01	2.37
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0397	LF	1" Soft Drawn Type L Copper Tube	10.16	2.67
		For Work In Restricted Working Space, Add	*1.20*	
22 11 16 00-0398	LF	1-1/4" Soft Drawn Type L Copper Tube	14.06	3.96
		For Work In Restricted Working Space, Add	*1.78*	
22 11 16 00-0399	LF	1-1/2" Soft Drawn Type L Copper Tube	17.63	4.42
		For Work In Restricted Working Space, Add	*1.99*	
22 11 16 00-0400	LF	2" Soft Drawn Type L Copper Tube	25.68	5.45
		For Work In Restricted Working Space, Add	*2.45*	
22 11 16 00-0401		**Soft Drawn Type K Copper Tube** *(22 11 16 00-0346)*		
22 11 16 00-0402	LF	1/4" Soft Drawn Type K Copper Tube	4.62	0.23
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0403	LF	3/8" Soft Drawn Type K Copper Tube	5.84	2.14
		For Work In Restricted Working Space, Add	*0.97*	
22 11 16 00-0404	LF	1/2" Soft Drawn Type K Copper Tube	6.64	2.23
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0405	LF	5/8" Soft Drawn Type K Copper Tube	7.37	2.30
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0406	LF	3/4" Soft Drawn Type K Copper Tube	9.63	2.37
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0407	LF	1" Soft Drawn Type K Copper Tube	12.06	2.67
		For Work In Restricted Working Space, Add	*1.20*	
22 11 16 00-0408	LF	1-1/4" Soft Drawn Type K Copper Tube	15.45	3.96
		For Work In Restricted Working Space, Add	*1.78*	
22 11 16 00-0409	LF	1-1/2" Soft Drawn Type K Copper Tube	19.84	4.42
		For Work In Restricted Working Space, Add	*1.99*	
22 11 16 00-0410	LF	2" Soft Drawn Type K Copper Tube	28.72	5.45
		For Work In Restricted Working Space, Add	*2.45*	
22 11 16 00-0411	LF	2-1/2" Soft Drawn Type K Copper Tube	40.63	6.54
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-0412	LF	3" Soft Drawn Type K Copper Tube	54.44	7.72
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0413		**Copper And Brass Fittings** *(22 11 16 00-0345)*		
		Note: All fittings are based on 95/5 solder.		
22 11 16 00-0414		**90 Degree Copper Elbows** *(22 11 16 00-0413)*		
22 11 16 00-0415	EA	1/4" 90 Degree Copper Elbow	19.40	12.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Street Fitting, Add	*0.44*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.80*	
22 11 16 00-0416	EA	3/8" 90 Degree Copper Elbow	23.13	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Street Fitting, Add	*0.47*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.35*	
22 11 16 00-0417	EA	1/2" 90 Degree Copper Elbow	30.58	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Street Fitting, Add	*0.15*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.55*	
22 11 16 00-0418	EA	3/4" 90 Degree Copper Elbow	38.36	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Street Fitting, Add	*0.34*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.67*	
22 11 16 00-0419	EA	1" 90 Degree Copper Elbow	46.92	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Street Fitting, Add	*0.83*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0420	EA	1-1/4" 90 Degree Copper Elbow	51.61	32.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.28*	
		For Street Fitting, Add	*1.24*	
		For Work In Restricted Working Space, Add	*14.55*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.43*	
22 11 16 00-0421	EA	1-1/2" 90 Degree Copper Elbow	57.94	35.41
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.96*	
		For Street Fitting, Add	*1.94*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.21*	
22 11 16 00-0422	EA	2" 90 Degree Copper Elbow	68.34	39.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.92*	
		For Street Fitting, Add	*3.54*	
		For Work In Restricted Working Space, Add	*17.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.37*	
22 11 16 00-0423	EA	2-1/2" 90 Degree Copper Elbow	78.03	40.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.10*	
		For Work In Restricted Working Space, Add	*18.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.97*	
22 11 16 00-0424	EA	3" 90 Degree Copper Elbow	96.94	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.09*	
22 11 16 00-0425	EA	4" 90 Degree Copper Elbow	162.22	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.39*	
22 11 16 00-0426	EA	5" 90 Degree Copper Elbow	389.76	93.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.10*	
		For Work In Restricted Working Space, Add	*42.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*33.55*	
22 11 16 00-0427	EA	6" 90 Degree Copper Elbow	536.74	136.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.70*	
		For Work In Restricted Working Space, Add	*61.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*47.30*	
22 11 16 00-0428	EA	8" 90 Degree Copper Elbow	1,501.40	182.02
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-88.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.94*	
		For Work In Restricted Working Space, Add	*81.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*102.36*	

22 11 16 00-0429 90 Degree Brass Elbows *(22 11 16 00-0413)*

22 11 16 00-0430	EA	1/2" Drop Ear 90 Degree Brass Elbow	32.57	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.65*	
22 11 16 00-0431	EA	3/4" Drop Ear 90 Degree Brass Elbow	44.43	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.97*	
22 11 16 00-0432	EA	1/2" Flanged Sink 90 Degree Brass Elbow	34.53	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.75*	
22 11 16 00-0433	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	25.51	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.47*	
22 11 16 00-0434	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	32.74	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.66*	
22 11 16 00-0435	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	41.98	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.85*	
22 11 16 00-0436	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	59.12	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0437		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0413)*		
22 11 16 00-0438	EA	1/2" Reducing 90 Degree Copper Elbow	33.27	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.68*	
22 11 16 00-0439	EA	3/4" Reducing 90 Degree Copper Elbow	39.68	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.74*	
22 11 16 00-0440	EA	1" Reducing 90 Degree Copper Elbow	48.83	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.93*	
22 11 16 00-0441	EA	1-1/4" Reducing 90 Degree Copper Elbow	58.66	32.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.28*	
		For Work In Restricted Working Space, Add	*14.55*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.78*	
22 11 16 00-0442	EA	1-1/2" Reducing 90 Degree Copper Elbow	66.44	35.41
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.96*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.63*	
22 11 16 00-0443	EA	2" Reducing 90 Degree Copper Elbow	77.46	39.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.92*	
		For Work In Restricted Working Space, Add	*17.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.82*	
22 11 16 00-0444		**45 Degree Copper Elbows** *(22 11 16 00-0413)*		
22 11 16 00-0445	EA	1/4" 45 Degree Copper Elbow	20.36	12.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Street Fitting, Add	*0.82*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.85*	
22 11 16 00-0446	EA	3/8" 45 Degree Copper Elbow	23.72	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Street Fitting, Add	*0.70*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.38*	
22 11 16 00-0447	EA	1/2" 45 Degree Copper Elbow	30.89	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Street Fitting, Add	*0.28*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.56*	
22 11 16 00-0448	EA	3/4" 45 Degree Copper Elbow	38.70	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Street Fitting, Add	*0.48*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.69*	
22 11 16 00-0449	EA	1" 45 Degree Copper Elbow	47.80	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Street Fitting, Add	*1.18*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.87*	
22 11 16 00-0450	EA	1-1/4" 45 Degree Copper Elbow	52.51	32.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.28*	
		For Street Fitting, Add	*1.60*	
		For Work In Restricted Working Space, Add	*14.55*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.48*	
22 11 16 00-0451	EA	1-1/2" 45 Degree Copper Elbow	58.00	35.41
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.96*	
		For Street Fitting, Add	*1.97*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.21*	
22 11 16 00-0452	EA	2" 45 Degree Copper Elbow	67.69	39.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.92*	
		For Work In Restricted Working Space, Add	*17.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0453	EA	2-1/2" 45 Degree Copper Elbow	77.82	40.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.10*	
		For Work In Restricted Working Space, Add	*18.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.96*	
22 11 16 00-0454	EA	3" 45 Degree Copper Elbow	97.90	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.14*	
22 11 16 00-0455	EA	4" 45 Degree Copper Elbow	157.08	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.13*	
22 11 16 00-0456	EA	5" 45 Degree Copper Elbow	351.02	93.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.10*	
		For Work In Restricted Working Space, Add	*42.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*31.62*	
22 11 16 00-0457	EA	6" 45 Degree Copper Elbow	536.18	136.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.70*	
		For Work In Restricted Working Space, Add	*61.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*47.28*	
22 11 16 00-0458	EA	8" 45 Degree Copper Elbow	1,399.34	182.02
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-83.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.94*	
		For Work In Restricted Working Space, Add	*81.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*97.26*	

22 11 16 00-0459 Straight Copper And Brass Tees *(22 11 16 00-0413)*

22 11 16 00-0460	EA	1/4" Straight Copper Tee	29.76	18.30
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.12*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.23*	
22 11 16 00-0461	EA	3/8" Straight Copper Tee	34.80	21.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.94*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.03*	
22 11 16 00-0462	EA	1/2" Straight Copper Tee	46.40	30.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.86*	
		For Work In Restricted Working Space, Add	*13.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.90*	
22 11 16 00-0463	EA	3/4" Straight Copper Tee	58.28	37.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.51*	
		For Work In Restricted Working Space, Add	*17.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.59*	
22 11 16 00-0464	EA	1" Straight Copper Tee	72.39	45.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.32*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.39*	
22 11 16 00-0465	EA	1-1/4" Straight Copper Tee	79.72	48.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.98*	
		For Work In Restricted Working Space, Add	*21.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.31*	
22 11 16 00-0466	EA	1-1/2" Straight Copper Tee	89.46	53.08
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.94*	
		For Work In Restricted Working Space, Add	*23.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.43*	
22 11 16 00-0467	EA	2" Straight Copper Tee	105.34	59.85
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.45*	
		For Work In Restricted Working Space, Add	*26.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.24*	
22 11 16 00-0468	EA	2-1/2" Straight Copper Tee	121.94	60.65
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.19*	
22 11 16 00-0469	EA	3" Straight Copper Tee	156.82	73.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.43*	
		For Work In Restricted Working Space, Add	*32.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0470	EA	4" Straight Copper Tee	267.82	102.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.99*	
		For Work In Restricted Working Space, Add	*45.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*28.72*	
22 11 16 00-0471	EA	5" Straight Copper Tee	584.15	139.91
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.46*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*50.18*	
22 11 16 00-0472	EA	6" Straight Copper Tee	819.24	205.10
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-56.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*46.11*	
		For Work In Restricted Working Space, Add	*92.23*	
		For Silver Solder Instead Of 95/5 Solder, Add	*71.71*	
22 11 16 00-0473	EA	8" Straight Copper Tee	2,383.65	273.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-139.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*61.40*	
		For Work In Restricted Working Space, Add	*122.81*	
		For Silver Solder Instead Of 95/5 Solder, Add	*160.12*	
22 11 16 00-0474	EA	1/2" Cast Bronze Drop Ear Tee	49.75	30.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.86*	
		For Work In Restricted Working Space, Add	*13.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.06*	

22 11 16 00-0475 Reducing Copper Tees *(22 11 16 00-0413)*

22 11 16 00-0476	EA	3/8" Reducing Copper Tee	32.97	19.49
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.39*	
		For Work In Restricted Working Space, Add	*8.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.58*	
22 11 16 00-0477	EA	1/2" Reducing Copper Tee	44.41	27.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.18*	
		For Work In Restricted Working Space, Add	*12.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.34*	
22 11 16 00-0478	EA	3/4" Reducing Copper Tee	54.73	35.41
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.96*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.04*	
22 11 16 00-0479	EA	1" Reducing Copper Tee	69.29	42.74
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.61*	
		For Work In Restricted Working Space, Add	*19.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.87*	
22 11 16 00-0480	EA	1-1/4" Reducing Copper Tee	77.50	46.40
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.43*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.83*	
22 11 16 00-0481	EA	1-1/2" Reducing Copper Tee	87.19	50.69
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.39*	
		For Work In Restricted Working Space, Add	*22.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.95*	
22 11 16 00-0482	EA	2" Reducing Copper Tee	101.34	56.73
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.77*	
		For Work In Restricted Working Space, Add	*25.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.58*	
22 11 16 00-0483	EA	2-1/2" Reducing Copper Tee	121.53	58.46
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.14*	
		For Work In Restricted Working Space, Add	*26.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.84*	
22 11 16 00-0484	EA	3" Reducing Copper Tee	156.80	67.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.16*	
		For Work In Restricted Working Space, Add	*30.32*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.95*	
22 11 16 00-0485	EA	4" Reducing Copper Tee	241.97	83.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.70*	
		For Work In Restricted Working Space, Add	*37.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.56*	

22 11 16 00-0486 Copper Couplings *(22 11 16 00-0413)*

22 11 16 00-0487	EA	1/4" Copper Coupling	18.52	12.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0488	EA	3/8" Copper Coupling	22.25	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.31*	
22 11 16 00-0489	EA	1/2" Copper Coupling	30.44	20.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.53*	
		For Work In Restricted Working Space, Add	*9.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.54*	
22 11 16 00-0490	EA	3/4" Copper Coupling	38.00	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.65*	
22 11 16 00-0491	EA	1" Copper Coupling	45.82	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.78*	
22 11 16 00-0492	EA	1-1/4" Copper Coupling	50.22	32.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.28*	
		For Work In Restricted Working Space, Add	*14.55*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.36*	
22 11 16 00-0493	EA	1-1/2" Copper Coupling	55.36	35.41
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.96*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.08*	
22 11 16 00-0494	EA	2" Copper Coupling	63.27	39.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.92*	
		For Work In Restricted Working Space, Add	*17.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.11*	
22 11 16 00-0495	EA	2-1/2" Copper Coupling	65.07	38.24
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.59*	
		For Work In Restricted Working Space, Add	*17.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.98*	
22 11 16 00-0496	EA	3" Copper Coupling	79.67	46.33
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.36*	
		For Work In Restricted Working Space, Add	*20.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.89*	
22 11 16 00-0497	EA	4" Copper Coupling	116.01	62.33
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.90*	
		For Work In Restricted Working Space, Add	*27.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.07*	
22 11 16 00-0498	EA	5" Copper Coupling	175.03	113.71
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.95*	
		For Work In Restricted Working Space, Add	*37.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.39*	
22 11 16 00-0499	EA	6" Copper Coupling	265.77	123.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.80*	
		For Work In Restricted Working Space, Add	*55.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*31.82*	
22 11 16 00-0500	EA	8" Copper Coupling	506.77	163.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.89*	
		For Work In Restricted Working Space, Add	*73.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*49.93*	

22 11 16 00-0501 Reducing Copper Couplings *(22 11 16 00-0413)*

22 11 16 00-0502	EA	3/8" Reducing Copper Coupling	18.78	12.17
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.77*	
22 11 16 00-0503	EA	1/2" Reducing Copper Coupling	26.58	17.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.91*	
		For Work In Restricted Working Space, Add	*7.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.94*	
22 11 16 00-0504	EA	3/4" Reducing Copper Coupling	34.72	22.61
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.08*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA	1" Reducing Copper Coupling	42.76	27.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.18*	
		For Work In Restricted Working Space, Add	*12.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.26*	
22 11 16 00-0506	EA	1-1/4" Reducing Copper Coupling	48.86	31.12
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.00*	
		For Work In Restricted Working Space, Add	*14.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.11*	
22 11 16 00-0507	EA	1-1/2" Reducing Copper Coupling	54.41	33.85
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.62*	
		For Work In Restricted Working Space, Add	*15.23*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.80*	
22 11 16 00-0508	EA	2" Reducing Copper Coupling	61.90	37.51
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.72*	
22 11 16 00-0509	EA	2-1/2" Reducing Copper Coupling	69.26	38.50
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.66*	
		For Work In Restricted Working Space, Add	*17.31*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.23*	
22 11 16 00-0510	EA	3" Reducing Copper Coupling	80.83	44.65
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.98*	
		For Work In Restricted Working Space, Add	*19.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.70*	
22 11 16 00-0511	EA	4" Reducing Copper Coupling	115.97	58.46
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.14*	
		For Work In Restricted Working Space, Add	*26.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.56*	
22 11 16 00-0512	EA	5" Reducing Copper Coupling	233.07	81.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.32*	
		For Work In Restricted Working Space, Add	*36.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.87*	
22 11 16 00-0513	EA	6" Reducing Copper Coupling	336.04	109.50
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.64*	
		For Work In Restricted Working Space, Add	*49.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*33.23*	
22 11 16 00-0514	EA	8" Reducing Copper Coupling	603.41	159.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*35.88*	
		For Work In Restricted Working Space, Add	*71.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*54.09*	

22 11 16 00-0515 Male Copper Adapters *(22 11 16 00-0413)*

22 11 16 00-0516	EA	1/4" Male Copper Adapter	22.20	11.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.94*	
22 11 16 00-0517	EA	3/8" Male Copper Adapter	23.90	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.39*	
22 11 16 00-0518	EA	1/2" Male Copper Adapter	28.24	18.30
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.12*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.16*	
22 11 16 00-0519	EA	3/4" Male Copper Adapter	35.18	22.88
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.08*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.14*	
22 11 16 00-0520	EA	1" Male Copper Adapter	42.74	26.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.90*	
		For Work In Restricted Working Space, Add	*11.81*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.07*	
22 11 16 00-0521	EA	1-1/4" Male Copper Adapter	50.69	30.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.86*	
		For Work In Restricted Working Space, Add	*13.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0522	EA	1-1/2" Male Copper Adapter	57.94	34.77
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.82*	
		For Work In Restricted Working Space, Add	*15.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.11*	
22 11 16 00-0523	EA	2" Male Copper Adapter	76.58	44.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.02*	
		For Work In Restricted Working Space, Add	*20.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.51*	
22 11 16 00-0524	EA	2-1/2" Male Copper Adapter	117.11	57.65
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.90*	
		For Work In Restricted Working Space, Add	*25.81*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.46*	
22 11 16 00-0525	EA	3" Male Copper Adapter	155.71	76.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.18*	
		For Work In Restricted Working Space, Add	*34.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.24*	
22 11 16 00-0526	EA	4" Male Copper Adapter	227.54	107.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.26*	
		For Work In Restricted Working Space, Add	*48.52*	
		For Silver Solder Instead Of 95/5 Solder, Add	*27.55*	

22 11 16 00-0527 Female Copper Adapters *(22 11 16 00-0413)*

22 11 16 00-0528	EA	1/4" Female Copper Adapter	20.79	11.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.87*	
22 11 16 00-0529	EA	3/8" Female Copper Adapter	24.56	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.42*	
22 11 16 00-0530	EA	1/2" Female Copper Adapter	28.71	18.30
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.12*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.18*	
22 11 16 00-0531	EA	3/4" Female Copper Adapter	35.57	22.88
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.08*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.16*	
22 11 16 00-0532	EA	1" Female Copper Adapter	43.29	26.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.90*	
		For Work In Restricted Working Space, Add	*11.81*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.10*	
22 11 16 00-0533	EA	1-1/4" Female Copper Adapter	51.53	30.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.86*	
		For Work In Restricted Working Space, Add	*13.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.15*	
22 11 16 00-0534	EA	1-1/2" Female Copper Adapter	61.20	34.77
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.82*	
		For Work In Restricted Working Space, Add	*15.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.28*	
22 11 16 00-0535	EA	2" Female Copper Adapter	79.06	44.38
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.02*	
		For Work In Restricted Working Space, Add	*20.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.63*	
22 11 16 00-0536	EA	2-1/2" Female Copper Adapter	123.05	53.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.88*	
		For Work In Restricted Working Space, Add	*23.75*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.07*	
22 11 16 00-0537	EA	3" Female Copper Adapter	188.45	76.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.18*	
		For Work In Restricted Working Space, Add	*34.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.88*	

22 11 16 00-0538 Wrot Copper, Solder Union *(22 11 16 00-0413)*

22 11 16 00-0539	EA	1/4" Wrot Copper, Solder Union	27.48	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0540	EA	3/8" Wrot Copper, Solder Union	32.23	17.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.27*	
22 11 16 00-0541	EA	1/2" Wrot Copper, Solder Union	36.46	21.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.94*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.12*	
22 11 16 00-0542	EA	3/4" Wrot Copper, Solder Union	41.84	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.84*	
22 11 16 00-0543	EA	1" Wrot Copper, Solder Union	52.27	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.10*	
22 11 16 00-0544	EA	1-1/4" Wrot Copper, Solder Union	60.18	32.94
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.95*	
22 11 16 00-0545	EA	1-1/2" Wrot Copper, Solder Union	70.08	36.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.24*	
		For Work In Restricted Working Space, Add	*16.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.99*	
22 11 16 00-0546	EA	2" Wrot Copper, Solder Union	91.75	43.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.18*	
22 11 16 00-0547	EA	2-1/2" Wrot Copper, Solder Union	142.98	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.39*	
22 11 16 00-0548	EA	3" Wrot Copper, Solder Union	285.33	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.54*	

22 11 16 00-0549 Cast Bronze, Solder Union *(22 11 16 00-0413)*

22 11 16 00-0550	EA	1/4" Cast Bronze, Solder Union	29.52	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.67*	
22 11 16 00-0551	EA	3/8" Cast Bronze, Solder Union	34.15	17.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.36*	
22 11 16 00-0552	EA	1/2" Cast Bronze, Solder Union	36.99	21.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.94*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.14*	
22 11 16 00-0553	EA	3/4" Cast Bronze, Solder Union	42.59	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.88*	
22 11 16 00-0554	EA	1" Cast Bronze, Solder Union	53.59	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.16*	
22 11 16 00-0555	EA	1-1/4" Cast Bronze, Solder Union	63.77	32.94
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.13*	
22 11 16 00-0556	EA	1-1/2" Cast Bronze, Solder Union	73.82	36.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.24*	
		For Work In Restricted Working Space, Add	*16.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0557	EA	2" Cast Bronze, Solder Union	98.13	43.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.49*	
22 11 16 00-0558	EA	2-1/2" Cast Bronze, Solder Union	142.98	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.39*	
22 11 16 00-0559	EA	3" Cast Bronze, Solder Union	285.33	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.54*	

22 11 16 00-0560 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0413)*

22 11 16 00-0561	EA	1/4" Cast Bronze, Solder X Female Threaded Union	32.27	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.81*	
22 11 16 00-0562	EA	3/8" Cast Bronze, Solder X Female Threaded Union	37.21	17.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.51*	
22 11 16 00-0563	EA	1/2" Cast Bronze, Solder X Female Threaded Union	41.41	21.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.94*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.36*	
22 11 16 00-0564	EA	3/4" Cast Bronze, Solder X Female Threaded Union	49.06	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.20*	
22 11 16 00-0565	EA	1" Cast Bronze, Solder X Female Threaded Union	68.86	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.93*	
22 11 16 00-0566	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	94.19	32.94
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.65*	
22 11 16 00-0567	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	111.62	36.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.24*	
		For Work In Restricted Working Space, Add	*16.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.07*	
22 11 16 00-0568	EA	2" Cast Bronze, Solder X Female Threaded Union	161.89	43.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.68*	
22 11 16 00-0569	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	254.44	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.97*	

22 11 16 00-0570 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0413)*

22 11 16 00-0571	EA	1/4" Cast Bronze, Solder X Male Threaded Union	29.81	14.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.29*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.69*	
22 11 16 00-0572	EA	3/8" Cast Bronze, Solder X Male Threaded Union	35.71	17.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.44*	
22 11 16 00-0573	EA	1/2" Cast Bronze, Solder X Male Threaded Union	39.63	21.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.94*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.28*	
22 11 16 00-0574	EA	3/4" Cast Bronze, Solder X Male Threaded Union	47.55	25.07
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0575	EA	1" Cast Bronze, Solder X Male Threaded Union	69.56	29.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.73*	
		For Work In Restricted Working Space, Add	*13.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.96*	
22 11 16 00-0576	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	80.08	32.94
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.95*	
22 11 16 00-0577	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	87.10	36.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.24*	
		For Work In Restricted Working Space, Add	*16.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.85*	
22 11 16 00-0578	EA	2" Cast Bronze, Solder X Male Threaded Union	115.35	43.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.36*	
22 11 16 00-0579	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	217.39	48.35
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.11*	

22 11 16 00-0580 Copper Caps *(22 11 16 00-0413)*

22 11 16 00-0581	EA	1/4" Copper Cap	3.77	2.31
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.51*	
		For Work In Restricted Working Space, Add	*1.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*0.53*	
22 11 16 00-0582	EA	3/8" Copper Cap	4.20	2.44
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
		For Silver Solder Instead Of 95/5 Solder, Add	*0.58*	
22 11 16 00-0583	EA	1/2" Copper Cap	4.16	2.63
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.58*	
		For Work In Restricted Working Space, Add	*1.17*	
		For Silver Solder Instead Of 95/5 Solder, Add	*0.60*	
22 11 16 00-0584	EA	3/4" Copper Cap	5.38	3.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.73*	
		For Work In Restricted Working Space, Add	*1.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*0.76*	
22 11 16 00-0585	EA	1" Copper Cap	7.39	4.16
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*0.99*	
22 11 16 00-0586	EA	1-1/4" Copper Cap	10.08	5.71
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.27*	
		For Work In Restricted Working Space, Add	*2.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.35*	
22 11 16 00-0587	EA	1-1/2" Copper Cap	12.30	6.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.61*	
22 11 16 00-0588	EA	2" Copper Cap	26.50	14.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.32*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.54*	
22 11 16 00-0589	EA	2-1/2" Copper Cap	46.72	22.75
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.06*	
		For Work In Restricted Working Space, Add	*10.11*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.71*	
22 11 16 00-0590	EA	3" Copper Cap	62.87	29.85
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.63*	
		For Work In Restricted Working Space, Add	*13.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.57*	
22 11 16 00-0591	EA	4" Copper Cap	87.85	35.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.90*	
		For Work In Restricted Working Space, Add	*15.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0592	EA	5" Cast Bronze Cap	320.51	48.77
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.97*	
		For Work In Restricted Working Space, Add	*21.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.34*	
22 11 16 00-0593	EA	6" Cast Bronze Cap	586.49	63.18
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.04*	
		For Work In Restricted Working Space, Add	*28.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*38.68*	
22 11 16 00-0594	EA	8" Cast Bronze Cap	760.34	90.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-44.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.21*	
		For Work In Restricted Working Space, Add	*40.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*51.49*	
22 11 16 00-0595		**Copper Crosses** *(22 11 16 00-0413)*		
22 11 16 00-0596	EA	1/2" Copper Cross	59.92	37.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.34*	
		For Work In Restricted Working Space, Add	*16.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.56*	
22 11 16 00-0597	EA	3/4" Copper Cross	77.48	46.08
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.36*	
		For Work In Restricted Working Space, Add	*20.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.78*	
22 11 16 00-0598	EA	1" Copper Cross	96.85	55.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.38*	
		For Work In Restricted Working Space, Add	*24.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.10*	
22 11 16 00-0599	EA	1-1/4" Copper Cross	109.83	59.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.39*	
		For Work In Restricted Working Space, Add	*26.78*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.42*	
22 11 16 00-0600	EA	1-1/2" Copper Cross	127.01	65.11
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.66*	
		For Work In Restricted Working Space, Add	*29.31*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.12*	
22 11 16 00-0601	EA	2" Copper Cross	164.85	73.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.43*	
		For Work In Restricted Working Space, Add	*32.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.19*	
22 11 16 00-0602	EA	2-1/2" Copper Cross	248.87	80.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.19*	
		For Work In Restricted Working Space, Add	*36.39*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.57*	
22 11 16 00-0603		**Cast Bronze Crosses** *(22 11 16 00-0413)*		
22 11 16 00-0604	EA	3/8" Cast Bronze Cross	46.21	26.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.06*	
		For Work In Restricted Working Space, Add	*12.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
22 11 16 00-0605	EA	1/2" Cast Bronze Cross	60.79	37.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.34*	
		For Work In Restricted Working Space, Add	*16.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.60*	
22 11 16 00-0606	EA	3/4" Cast Bronze Cross	79.16	46.08
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.36*	
		For Work In Restricted Working Space, Add	*20.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.86*	
22 11 16 00-0607	EA	1" Cast Bronze Cross	99.71	55.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.38*	
		For Work In Restricted Working Space, Add	*24.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.24*	
22 11 16 00-0608	EA	1-1/4" Cast Bronze Cross	113.94	59.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.39*	
		For Work In Restricted Working Space, Add	*26.78*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.63*	
22 11 16 00-0609	EA	1-1/2" Cast Bronze Cross	132.86	65.11
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.66*	
		For Work In Restricted Working Space, Add	*29.31*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0610	EA	2" Cast Bronze Cross	175.91	73.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.43*	
		For Work In Restricted Working Space, Add	*32.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.75*	
22 11 16 00-0611	EA	2-1/2" Cast Bronze Cross	274.38	80.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.19*	
		For Work In Restricted Working Space, Add	*36.39*	
		For Silver Solder Instead Of 95/5 Solder, Add	*25.85*	
22 11 16 00-0612		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0413)*		
22 11 16 00-0613	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	50.60	25.07
22 11 16 00-0614	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	52.18	25.07
22 11 16 00-0615	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	47.77	25.07
22 11 16 00-0616	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	49.55	25.07
22 11 16 00-0617	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	51.13	25.07
22 11 16 00-0618	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	52.18	25.07
22 11 16 00-0619		**Crimped Copper Fittings** *(22 11 16 00-0345)* Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0620		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0619)*		
22 11 16 00-0621	EA	1/2" Crimped Copper 90 Degree Elbow	17.09	10.98
22 11 16 00-0622	EA	3/4" Crimped Copper 90 Degree Elbow	19.81	12.54
22 11 16 00-0623	EA	1" Crimped Copper 90 Degree Elbow	24.52	14.92
22 11 16 00-0624	EA	1-1/4" Crimped Copper 90 Degree Elbow	28.97	16.47
22 11 16 00-0625	EA	1-1/2" Crimped Copper 90 Degree Elbow	35.52	18.30
22 11 16 00-0626	EA	2" Crimped Copper 90 Degree Elbow	44.16	21.96
22 11 16 00-0627	EA	2-1/2" Crimped Copper 90 Degree Elbow	71.02	25.62
22 11 16 00-0628	EA	3" Crimped Copper 90 Degree Elbow	86.76	30.47
22 11 16 00-0629	EA	4" Crimped Copper 90 Degree Elbow	111.12	40.26
22 11 16 00-0630		**Crimped Copper 45 Degree Elbows** *(22 11 16 00-0619)*		
22 11 16 00-0631	EA	1/2" Crimped Copper 45 Degree Elbow	17.19	10.98
22 11 16 00-0632	EA	3/4" Crimped Copper 45 Degree Elbow	19.65	12.54
22 11 16 00-0633	EA	1" Crimped Copper 45 Degree Elbow	25.27	14.92
22 11 16 00-0634	EA	1-1/4" Crimped Copper 45 Degree Elbow	28.81	16.47
22 11 16 00-0635	EA	1-1/2" Crimped Copper 45 Degree Elbow	34.10	18.30
22 11 16 00-0636	EA	2" Crimped Copper 45 Degree Elbow	42.24	21.96
22 11 16 00-0637	EA	2-1/2" Crimped Copper 45 Degree Elbow	59.96	25.62
22 11 16 00-0638	EA	3" Crimped Copper 45 Degree Elbow	76.51	30.47
22 11 16 00-0639	EA	4" Crimped Copper 45 Degree Elbow	103.11	40.26
22 11 16 00-0640		**Crimped Copper Straight Tees** *(22 11 16 00-0619)*		
22 11 16 00-0641	EA	1/2" Crimped Copper Straight Tee	25.66	16.47
22 11 16 00-0642	EA	3/4" Crimped Copper Straight Tee	34.16	21.69
22 11 16 00-0643	EA	1" Crimped Copper Straight Tee	39.17	24.06
22 11 16 00-0644	EA	1-1/4" Crimped Copper Straight Tee	42.17	24.71
22 11 16 00-0645	EA	1-1/2" Crimped Copper Straight Tee	52.03	28.09
22 11 16 00-0646	EA	2" Crimped Copper Straight Tee	61.70	32.94
22 11 16 00-0647	EA	2-1/2" Crimped Copper Straight Tee	97.92	38.43
22 11 16 00-0648	EA	3" Crimped Copper Straight Tee	118.97	45.75
22 11 16 00-0649	EA	4" Crimped Copper Straight Tee	161.22	60.39
22 11 16 00-0650		**Crimped Copper Reducing Tees** *(22 11 16 00-0619)*		
22 11 16 00-0651	EA	3/4" Crimped Copper Reducing Tee	26.11	15.64
22 11 16 00-0652	EA	1" Crimped Copper Reducing Tee	35.43	20.59
22 11 16 00-0653	EA	1-1/4" Crimped Copper Reducing Tee	39.00	22.88
22 11 16 00-0654	EA	1-1/2" Crimped Copper Reducing Tee	44.05	23.52
22 11 16 00-0655	EA	2" Crimped Copper Reducing Tee	51.15	26.63
22 11 16 00-0656	EA	2-1/2" Crimped Copper Reducing Tee	93.05	30.20
22 11 16 00-0657	EA	3" Crimped Copper Reducing Tee	112.81	36.60
22 11 16 00-0658	EA	4" Crimped Copper Reducing Tee	139.10	48.77
22 11 16 00-0659		**Crimped Copper Couplings** *(22 11 16 00-0619)*		
22 11 16 00-0660	EA	1/2" Crimped Copper Coupling	17.03	10.98
22 11 16 00-0661	EA	3/4" Crimped Copper Coupling	19.61	12.54
22 11 16 00-0662	EA	1" Crimped Copper Coupling	24.13	14.92
22 11 16 00-0663	EA	1-1/4" Crimped Copper Coupling	26.84	16.47
22 11 16 00-0664	EA	1-1/2" Crimped Copper Coupling	31.42	18.30
22 11 16 00-0665	EA	2" Crimped Copper Coupling	38.01	21.96
22 11 16 00-0666	EA	2-1/2" Crimped Copper Coupling	54.66	25.62
22 11 16 00-0667	EA	3" Crimped Copper Coupling	66.42	30.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0668	EA	4" Crimped Copper Coupling	89.10	40.26
22 11 16 00-0669		**Crimped Copper Reducing Couplings** *(22 11 16 00-0619)*		
22 11 16 00-0670	EA	3/4" Crimped Copper Reducing Coupling	18.19	10.43
22 11 16 00-0671	EA	1" Crimped Copper Reducing Coupling	20.77	11.89
22 11 16 00-0672	EA	1-1/4" Crimped Copper Reducing Coupling	25.57	14.18
22 11 16 00-0673	EA	1-1/2" Crimped Copper Reducing Coupling	29.77	15.64
22 11 16 00-0674	EA	2" Crimped Copper Reducing Coupling	33.12	17.38
22 11 16 00-0675	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	50.30	20.77
22 11 16 00-0676	EA	3" Crimped Copper FTG x C Reducing Coupling	61.06	24.44
22 11 16 00-0677	EA	4" Crimped Copper FTG x C Reducing Coupling	80.06	32.30
22 11 16 00-0678		**Crimped Copper Male Adapters** *(22 11 16 00-0619)*		
22 11 16 00-0679	EA	1/2" Crimped Copper Male Adapter	17.15	10.98
22 11 16 00-0680	EA	3/4" Crimped Copper Male Adapter	20.00	12.54
22 11 16 00-0681	EA	1" Crimped Copper Male Adapter	24.69	14.92
22 11 16 00-0682	EA	1-1/4" Crimped Copper Male Adapter	29.70	16.47
22 11 16 00-0683	EA	1-1/2" Crimped Copper Male Adapter	34.45	18.30
22 11 16 00-0684	EA	2" Crimped Copper Male Adapter	46.42	21.96
22 11 16 00-0685	EA	2-1/2" Crimped Copper Male Adapter	71.02	25.62
22 11 16 00-0686	EA	3" Crimped Copper Male Adapter	86.76	30.47
22 11 16 00-0687	EA	4" Crimped Copper Male Adapter	107.86	40.26
22 11 16 00-0688		**Crimped Copper Female Adapters** *(22 11 16 00-0619)*		
22 11 16 00-0689	EA	1/2" Crimped Copper Female Adapter	17.30	10.98
22 11 16 00-0690	EA	3/4" Crimped Copper Female Adapter	20.11	12.54
22 11 16 00-0691	EA	1" Crimped Copper Female Adapter	24.89	14.92
22 11 16 00-0692	EA	1-1/4" Crimped Copper Female Adapter	30.32	16.47
22 11 16 00-0693	EA	1-1/2" Crimped Copper Female Adapter	35.61	18.30
22 11 16 00-0694	EA	2" Crimped Copper Female Adapter	46.79	21.96
22 11 16 00-0695		**Crimped Copper Caps** *(22 11 16 00-0619)*		
22 11 16 00-0696	EA	1/2" Crimped Copper Cap	9.44	5.49
22 11 16 00-0697	EA	3/4" Crimped Copper Cap	11.64	6.41
22 11 16 00-0698	EA	1" Crimped Copper Cap	14.11	7.32
22 11 16 00-0699	EA	1-1/4" Crimped Copper Cap	15.89	8.24
22 11 16 00-0700	EA	1-1/2" Crimped Copper Cap	19.67	9.43
22 11 16 00-0701	EA	2" Crimped Copper Cap	23.14	10.98
22 11 16 00-0702	EA	2-1/2" Crimped Copper Cap	40.53	12.81
22 11 16 00-0703	EA	3" Crimped Copper Cap	49.85	15.28
22 11 16 00-0704	EA	4" Crimped Copper Cap	66.14	20.13
22 11 16 00-0705		**C x F NPT Crimped Bronze Unions** *(22 11 16 00-0619)*		
22 11 16 00-0706	EA	1/2" C x F NPT Crimped Bronze Union	25.93	14.92
22 11 16 00-0707	EA	3/4" C x F NPT Crimped Bronze Union	32.06	18.39
22 11 16 00-0708	EA	1" C x F NPT Crimped Bronze Union	40.54	22.05
22 11 16 00-0709	EA	1-1/4" C x F NPT Crimped Bronze Union	47.73	25.44
22 11 16 00-0710	EA	1-1/2" C x F NPT Crimped Bronze Union	52.24	24.89
22 11 16 00-0711	EA	2" C x F NPT Crimped Bronze Union	73.73	36.06
22 11 16 00-0712		**C x C Crimped Bronze Unions** *(22 11 16 00-0619)*		
22 11 16 00-0713	EA	1/2" C x C Bronze Crimped Union	20.86	10.98
22 11 16 00-0714	EA	3/4" C x C Bronze Crimped Union	24.51	12.54
22 11 16 00-0715	EA	1" C x C Bronze Crimped Union	31.60	14.92
22 11 16 00-0716	EA	1-1/4" C x C Bronze Crimped Union	37.83	16.47
22 11 16 00-0717	EA	1-1/2" C x C Bronze Crimped Union	45.27	18.30
22 11 16 00-0718	EA	2" C x C Bronze Crimped Union	62.05	21.96
22 11 16 00-0719		**C x Flange Crimped Bronze Flange** *(22 11 16 00-0619)*		
22 11 16 00-0720	EA	2-1/2" C x Flange Crimped Bronze Flange	100.75	25.62
22 11 16 00-0721	EA	3" C x Flange Crimped Bronze Flange	112.83	30.47
22 11 16 00-0722	EA	4" C x Flange Crimped Bronze Flange	135.48	40.26
22 11 16 00-0723		**Field Installed FKM Seals** *(22 11 16 00-0619)* Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0724	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	4.46	
22 11 16 00-0725	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	5.35	
22 11 16 00-0726	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	6.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0727	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	6.93	
22 11 16 00-0728	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.50	
22 11 16 00-0729	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.73	
22 11 16 00-0730	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.45	
22 11 16 00-0731	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	14.61	
22 11 16 00-0732	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	19.53	
22 11 16 00-0733		**Cut And Prepare Existing In-Place Copper Pipe** *(22 11 16 00-0345)*		
22 11 16 00-0734	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	9.15	
22 11 16 00-0735	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	9.88	
22 11 16 00-0736	EA	1", Cut And Prepare Existing In Place Copper Pipe	11.12	
22 11 16 00-0737	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	11.67	
22 11 16 00-0738	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	12.35	
22 11 16 00-0739	EA	2", Cut And Prepare Existing In Place Copper Pipe	13.59	
22 11 16 00-0740	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	14.64	
22 11 16 00-0741	EA	3", Cut And Prepare Existing In Place Copper Pipe	17.29	
22 11 16 00-0742	EA	4", Cut And Prepare Existing In Place Copper Pipe	23.33	
22 11 16 00-0743	EA	6", Cut And Prepare Existing In Place Copper Pipe	33.35	
22 11 16 00-0744	EA	8", Cut And Prepare Existing In Place Copper Pipe	44.48	
22 11 16 00-0745		**Sweat Brass Companion Flanges** *(22 11 16 00-0345)*		
22 11 16 00-0746	EA	1" Sweat Brass Companion Flange	33.01	14.07
22 11 16 00-0747	EA	1-1/4" Sweat Brass Companion Flange	36.14	15.50
22 11 16 00-0748	EA	1-1/2" Sweat Brass Companion Flange	46.90	16.85
22 11 16 00-0749	EA	2" Sweat Brass Companion Flange	59.26	18.70
22 11 16 00-0750	EA	2-1/2" Sweat Brass Companion Flange	73.85	22.48
22 11 16 00-0751	EA	3" Sweat Brass Companion Flange	85.77	29.48
22 11 16 00-0752	EA	4" Sweat Brass Companion Flange	110.64	35.13
22 11 16 00-0753	EA	5" Sweat Brass Companion Flange	208.26	41.43
22 11 16 00-0754	EA	6" Sweat Brass Companion Flange	257.86	60.21
22 11 16 00-0755	EA	8" Copper Companion Flange	517.14	85.87
22 11 16 00-0756		**Brass Compression Fittings** *(22 11 16 00-0345)*		
22 11 16 00-0757		**Brass Compression Unions** *(22 11 16 00-0756)*		
22 11 16 00-0758	EA	1/4" Brass Compression Union	15.54	9.88
22 11 16 00-0759	EA	3/8" Brass Compression Union	15.74	9.88
22 11 16 00-0760	EA	1/2" Brass Compression Union	16.35	9.88
22 11 16 00-0761	EA	5/8" Brass Compression Union	16.64	9.88
22 11 16 00-0762	EA	3/4" Brass Compression Union	19.04	9.88
22 11 16 00-0763	EA	3/8" x 1/4" Brass Compression Union	15.88	9.88
22 11 16 00-0764	EA	1/2" x 3/8" Brass Compression Union	16.40	9.88
22 11 16 00-0765	EA	5/8" x 3/8" Brass Compression Union	16.76	9.88
22 11 16 00-0766	EA	5/8" x 1/2" Brass Compression Union	17.34	9.88
22 11 16 00-0767		**Brass Compression Union Elbows** *(22 11 16 00-0756)*		
22 11 16 00-0768	EA	1/4" Brass Compression Union Elbow	16.35	9.88
22 11 16 00-0769	EA	3/8" Brass Compression Union Elbow	16.68	9.88
22 11 16 00-0770	EA	1/2" Brass Compression Union Elbow	17.40	9.88
22 11 16 00-0771	EA	5/8" Brass Compression Union Elbow	18.52	9.88
22 11 16 00-0772	EA	3/4" Brass Compression Union Elbow	22.88	9.88
22 11 16 00-0773	EA	3/8" x 1/4" Brass Compression Union Elbow	16.68	9.88
22 11 16 00-0774	EA	1/2" x 3/8" Brass Compression Union Elbow	17.40	9.88
22 11 16 00-0775	EA	5/8" x 3/8" Brass Compression Union Elbow	17.60	9.88
22 11 16 00-0776	EA	5/8" x 1/2" Brass Compression Union Elbow	20.88	9.88
22 11 16 00-0777		**Brass Compression Union Tees** *(22 11 16 00-0756)*		
22 11 16 00-0778	EA	1/4" Brass Compression Union Tee	16.60	9.88
22 11 16 00-0779	EA	3/8" Brass Compression Union Tee	17.28	9.88
22 11 16 00-0780	EA	1/2" Brass Compression Union Tee	18.00	9.88
22 11 16 00-0781	EA	5/8" Brass Compression Union Tee	20.28	9.88
22 11 16 00-0782	EA	3/4" Brass Compression Union Tee	28.16	9.88
22 11 16 00-0783	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	17.76	9.88
22 11 16 00-0784	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	21.46	9.88
22 11 16 00-0785	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	21.10	9.88
22 11 16 00-0786	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	21.52	9.88
22 11 16 00-0787		**Brass Compression Male Connectors** *(22 11 16 00-0756)*		
22 11 16 00-0788	EA	1/4" Brass Compression Male Connector	15.40	9.88

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22 11 16 00-0789	EA	3/8" Brass Compression Male Connector	15.66	9.88
22 11 16 00-0790	EA	1/2" Brass Compression Male Connector	16.12	9.88
22 11 16 00-0791	EA	5/8" Brass Compression Male Connector	16.80	9.88
22 11 16 00-0792	EA	3/4" Brass Compression Male Connector	17.77	9.79
22 11 16 00-0793		Brass Compression Female Connectors *(22 11 16 00-0756)*		
22 11 16 00-0794	EA	1/4" Brass Compression Female Connector	15.69	9.88
22 11 16 00-0795	EA	3/8" Brass Compression Female Connector	16.03	9.88
22 11 16 00-0796	EA	1/2" Brass Compression Female Connector	16.61	9.88
22 11 16 00-0797	EA	5/8" Brass Compression Female Connector	16.97	9.88
22 11 16 00-0798	EA	3/4" Brass Compression Female Connector	20.64	9.70
22 11 16 00-0799		Dielectric Fittings *(22 11 16 00-0345)*		
22 11 16 00-0800		Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0801	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	38.71	21.96
22 11 16 00-0802	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	43.28	25.07
22 11 16 00-0803	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	51.32	27.55
22 11 16 00-0804	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	61.95	30.32
22 11 16 00-0805	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	74.67	33.70
22 11 16 00-0806	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	94.67	40.43
22 11 16 00-0807		Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0808	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	42.36	21.96
22 11 16 00-0809	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	49.29	25.07
22 11 16 00-0810	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	59.24	27.55
22 11 16 00-0811	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	72.46	30.32
22 11 16 00-0812	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	87.67	33.70
22 11 16 00-0813	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	109.92	40.43
22 11 16 00-0814		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0799)*		
22 11 16 00-0815	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	40.05	21.96
22 11 16 00-0816	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	45.48	25.07
22 11 16 00-0817	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	51.90	27.55
22 11 16 00-0818	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	59.92	30.32
22 11 16 00-0819	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	72.66	33.70
22 11 16 00-0820	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	93.05	40.43
22 11 16 00-0821		Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0799)*		
22 11 16 00-0822	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	230.89	103.94
22 11 16 00-0823	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	289.11	130.89
22 11 16 00-0824	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	407.12	178.14
22 11 16 00-0825		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0799)*		
22 11 16 00-0826	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	232.39	103.94
22 11 16 00-0827	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	301.07	130.89
22 11 16 00-0828	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	545.08	178.14
22 11 16 00-0829		Brass Push-Fit Fittings *(22 11 16)*		
22 11 16 00-0830	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	17.90	9.15
22 11 16 00-0831	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	21.52	9.77
22 11 16 00-0832	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	22.69	10.98
22 11 16 00-0833	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	25.70	11.71
22 11 16 00-0834	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	26.45	12.51
22 11 16 00-0835	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	36.00	14.94
22 11 16 00-0836	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	22.10	10.37
22 11 16 00-0837	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	25.29	11.35
22 11 16 00-0838	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	36.27	13.72
22 11 16 00-0839	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	18.51	9.15
22 11 16 00-0840	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	24.09	9.77
22 11 16 00-0841	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	23.02	10.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0842	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	27.20	11.71
22 11 16 00-0843	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	26.02	12.51
22 11 16 00-0844	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	36.33	14.94
22 11 16 00-0845	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	21.82	10.37
22 11 16 00-0846	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	24.23	11.35
22 11 16 00-0847	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	43.64	13.72
22 11 16 00-0848	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	28.02	13.72
22 11 16 00-0849	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	34.26	14.64
22 11 16 00-0850	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	32.74	16.47
22 11 16 00-0851	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	40.17	17.57
22 11 16 00-0852	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	37.99	18.76
22 11 16 00-0853	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	50.50	22.41
22 11 16 00-0854	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	35.43	15.55
22 11 16 00-0855	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	35.73	15.86
22 11 16 00-0856	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	36.62	18.00
22 11 16 00-0857	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	48.74	21.20
22 11 16 00-0858	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	20.95	10.07
22 11 16 00-0859	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	20.89	10.37
22 11 16 00-0860	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	20.97	10.98
22 11 16 00-0861	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.99	12.51
22 11 16 00-0862	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.53	14.94
22 11 16 00-0863	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	18.88	10.07
22 11 16 00-0864	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	20.89	10.37
22 11 16 00-0865	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.01	10.98
22 11 16 00-0866	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.80	12.51
22 11 16 00-0867	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	25.21	12.10
22 11 16 00-0868	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.89	13.72
22 11 16 00-0869	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.92	14.94
22 11 16 00-0870	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	28.12	10.98
22 11 16 00-0871	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	32.73	12.51
22 11 16 00-0872	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	42.53	14.94
22 11 16 00-0873	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	29.78	10.98
22 11 16 00-0874	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	35.54	12.51
22 11 16 00-0875	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	57.12	14.94

22 11 16 00-0876 Copper Pipe Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0877	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	17.86	2.57

For Type K Tubing Instead Of Type L, Add	*1.19*
For Type M Tubing Instead Of Type L, Deduct	*-1.00*
For Silver Solder Instead Of 95/5 Solder, Add	*2.33*
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.61*
For Work In Restricted Working Space, Add	*4.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0878	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	20.70	3.29
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.43*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.19*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-0879	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly	22.79	3.93
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.69*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*5.10*	
22 11 16 00-0880	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	25.63	4.58
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.10*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.66*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*5.30*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.80*	
22 11 16 00-0881	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	28.53	5.21
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.44*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*5.65*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.97*	
22 11 16 00-0882	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly	36.09	6.50
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.38*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*6.50*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.44*	
22 11 16 00-0883	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	44.02	7.83
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*4.55*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.42*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*6.97*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.08*	
22 11 16 00-0884	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly	53.17	9.10
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.92*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.80*	
22 11 16 00-0885	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly	81.78	12.05
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*9.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.72*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.92*	
22 11 16 00-0886	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly	135.53	15.00
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*18.02*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.87*	
		For Work In Restricted Working Space, Add	*12.53*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0887	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	176.16	18.11
		For Type K Tubing Instead Of Type L, Add	*23.59*	
		For Type M Tubing Instead Of Type L, Deduct	*-16.89*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.46*	
		For Work In Restricted Working Space, Add	*15.92*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-12.31*	
22 11 16 00-0888	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	336.87	21.65
		For Type K Tubing Instead Of Type L, Add	*49.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-35.15*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.14*	
		For Work In Restricted Working Space, Add	*19.78*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-27.09*	
22 11 16 00-0889		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)* Note: Socket weld.		
22 11 16 00-0890		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0889)*		
22 11 16 00-0891		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0890)*		
22 11 16 00-0892	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.47	1.35
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0893	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	5.04	1.42
		For Work In Restricted Working Space, Add	*1.06*	
22 11 16 00-0894	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.02	1.52
		For Work In Restricted Working Space, Add	*1.14*	
22 11 16 00-0895	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.22	1.66
		For Work In Restricted Working Space, Add	*1.25*	
22 11 16 00-0896	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.31	1.83
		For Work In Restricted Working Space, Add	*1.38*	
22 11 16 00-0897	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.26	2.05
		For Work In Restricted Working Space, Add	*1.54*	
22 11 16 00-0898	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	13.69	2.34
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0899	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	17.38	2.76
		For Work In Restricted Working Space, Add	*2.07*	
22 11 16 00-0900	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	23.87	3.39
		For Work In Restricted Working Space, Add	*2.55*	
22 11 16 00-0901	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	40.55	4.31
		For Work In Restricted Working Space, Add	*3.24*	
22 11 16 00-0902	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.05	5.66
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0903		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0890)*		
22 11 16 00-0904	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	17.73	6.40
		For Work In Restricted Working Space, Add	*4.80*	
22 11 16 00-0905	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	22.90	8.08
		For Work In Restricted Working Space, Add	*6.07*	
22 11 16 00-0906	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	29.59	10.10
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0907	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	39.84	12.63
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0908	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	44.26	13.98
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0909	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	51.52	13.98
		For Work In Restricted Working Space, Add	*11.72*	
22 11 16 00-0910	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	76.87	17.77
		For Work In Restricted Working Space, Add	*13.34*	
22 11 16 00-0911	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	87.76	21.06
		For Work In Restricted Working Space, Add	*15.77*	
22 11 16 00-0912	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	123.39	25.86
		For Work In Restricted Working Space, Add	*19.41*	
22 11 16 00-0913	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	155.79	32.85
		For Work In Restricted Working Space, Add	*24.66*	
22 11 16 00-0914	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	287.89	43.13
		For Work In Restricted Working Space, Add	*32.34*	
22 11 16 00-0915		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0890)*		
22 11 16 00-0916	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	18.59	6.40
		For Work In Restricted Working Space, Add	*4.80*	
22 11 16 00-0917	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	23.94	8.08
		For Work In Restricted Working Space, Add	*6.07*	
22 11 16 00-0918	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	31.27	10.10
		For Work In Restricted Working Space, Add	*7.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0919	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	42.05	12.63
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0920	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	46.94	13.98
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0921	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	52.43	15.67
		For Work In Restricted Working Space, Add	*11.72*	
22 11 16 00-0922	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	77.45	17.77
		For Work In Restricted Working Space, Add	*13.34*	
22 11 16 00-0923	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	87.68	21.06
		For Work In Restricted Working Space, Add	*15.77*	
22 11 16 00-0924	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	112.87	25.86
		For Work In Restricted Working Space, Add	*19.41*	
22 11 16 00-0925	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	175.51	32.85
		For Work In Restricted Working Space, Add	*24.66*	
22 11 16 00-0926	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	301.86	43.13
		For Work In Restricted Working Space, Add	*32.34*	

22 11 16 00-0927 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0890)*

22 11 16 00-0928	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	27.14	9.60
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0929	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	35.33	12.13
		For Work In Restricted Working Space, Add	*9.10*	
22 11 16 00-0930	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	44.23	15.25
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0931	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	60.49	19.03
		For Work In Restricted Working Space, Add	*14.25*	
22 11 16 00-0932	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	67.44	21.06
		For Work In Restricted Working Space, Add	*15.77*	
22 11 16 00-0933	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	80.82	23.42
		For Work In Restricted Working Space, Add	*17.59*	
22 11 16 00-0934	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	103.17	26.70
		For Work In Restricted Working Space, Add	*20.01*	
22 11 16 00-0935	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	118.51	31.50
		For Work In Restricted Working Space, Add	*23.65*	
22 11 16 00-0936	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	143.89	38.83
		For Work In Restricted Working Space, Add	*29.11*	
22 11 16 00-0937	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	214.88	49.36
		For Work In Restricted Working Space, Add	*36.99*	
22 11 16 00-0938	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	423.88	64.69
		For Work In Restricted Working Space, Add	*48.52*	

22 11 16 00-0939 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0890)*

22 11 16 00-0940	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	34.71	12.80
		For Work In Restricted Working Space, Add	*9.60*	
22 11 16 00-0941	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	44.74	16.17
		For Work In Restricted Working Space, Add	*12.13*	
22 11 16 00-0942	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	56.02	20.30
		For Work In Restricted Working Space, Add	*15.21*	
22 11 16 00-0943	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	74.53	25.35
		For Work In Restricted Working Space, Add	*19.00*	
22 11 16 00-0944	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	82.90	28.05
		For Work In Restricted Working Space, Add	*21.02*	
22 11 16 00-0945	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	97.28	31.25
		For Work In Restricted Working Space, Add	*23.45*	
22 11 16 00-0946	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	120.35	35.55
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0947	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	139.28	42.03
		For Work In Restricted Working Space, Add	*31.53*	
22 11 16 00-0948	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	169.74	51.72
		For Work In Restricted Working Space, Add	*38.81*	
22 11 16 00-0949	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	243.28	65.78
		For Work In Restricted Working Space, Add	*49.32*	
22 11 16 00-0950	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	441.43	86.25
		For Work In Restricted Working Space, Add	*64.69*	

22 11 16 00-0951 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0890)*

22 11 16 00-0952	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	15.86	5.90
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0953	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	21.97	8.00
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0954	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	35.31	10.45
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0955	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	39.76	11.54
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0956	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	46.52	12.88
		For Work In Restricted Working Space, Add	*9.68*	
22 11 16 00-0957	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	50.99	14.65
		For Work In Restricted Working Space, Add	*11.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0958	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	61.64	17.35
		For Work In Restricted Working Space, Add	*13.01*	
22 11 16 00-0959	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	82.66	21.31
		For Work In Restricted Working Space, Add	*16.02*	
22 11 16 00-0960	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	130.13	27.12
		For Work In Restricted Working Space, Add	*20.34*	
22 11 16 00-0961	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	276.46	35.55
		For Work In Restricted Working Space, Add	*26.69*	

22 11 16 00-0962 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0890)*

22 11 16 00-0963	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	17.29	4.21
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0964	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	22.11	5.90
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0965	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	27.77	8.00
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0966	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	34.81	10.45
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0967	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	40.50	11.54
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0968	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	50.21	12.88
		For Work In Restricted Working Space, Add	*9.68*	
22 11 16 00-0969	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	75.09	14.65
		For Work In Restricted Working Space, Add	*11.02*	
22 11 16 00-0970	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	143.58	17.35
		For Work In Restricted Working Space, Add	*13.01*	
22 11 16 00-0971	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	211.32	21.31
		For Work In Restricted Working Space, Add	*16.02*	

22 11 16 00-0972 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0890)*

22 11 16 00-0973	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	13.12	4.21
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0974	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	18.33	5.90
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0975	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	25.85	8.00
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0976	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	34.81	10.45
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0977	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	40.67	11.54
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0978	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	48.17	12.88
		For Work In Restricted Working Space, Add	*9.68*	
22 11 16 00-0979	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	66.85	14.65
		For Work In Restricted Working Space, Add	*11.02*	
22 11 16 00-0980	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	79.80	17.35
		For Work In Restricted Working Space, Add	*13.01*	
22 11 16 00-0981	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	114.98	21.31
		For Work In Restricted Working Space, Add	*16.02*	

22 11 16 00-0982 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0890)*

22 11 16 00-0983	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	14.10	4.21
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0984	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	18.64	5.90
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0985	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	25.94	8.00
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0986	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	35.10	10.45
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0987	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	39.35	11.54
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0988	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	47.09	12.88
		For Work In Restricted Working Space, Add	*9.68*	
22 11 16 00-0989	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	67.47	14.65
		For Work In Restricted Working Space, Add	*11.02*	
22 11 16 00-0990	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	90.68	17.35
		For Work In Restricted Working Space, Add	*13.01*	
22 11 16 00-0991	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	133.47	21.31
		For Work In Restricted Working Space, Add	*16.02*	

22 11 16 00-0992 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0890)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0993	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	11.80	3.87
		For Work In Restricted Working Space, Add	*2.88*	
22 11 16 00-0994	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.59	5.39
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-0995	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	22.30	7.25
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0996	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	30.00	9.52
		For Work In Restricted Working Space, Add	*7.13*	
22 11 16 00-0997	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	34.16	10.53
		For Work In Restricted Working Space, Add	*7.88*	
22 11 16 00-0998	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	38.46	11.71
		For Work In Restricted Working Space, Add	*8.79*	
22 11 16 00-0999	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.30	13.31
		For Work In Restricted Working Space, Add	*10.01*	
22 11 16 00-1000	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	61.58	15.75
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-1001	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	77.55	19.37
		For Work In Restricted Working Space, Add	*14.55*	
22 11 16 00-1002	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	118.95	24.68
		For Work In Restricted Working Space, Add	*18.50*	
22 11 16 00-1003	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	196.94	32.35
		For Work In Restricted Working Space, Add	*24.26*	

22 11 16 00-1004 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0890)*

22 11 16 00-1005	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	20.93	4.63
		For Work In Restricted Working Space, Add	*3.46*	
22 11 16 00-1006	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	26.02	6.48
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-1007	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	31.89	8.68
		For Work In Restricted Working Space, Add	*6.52*	
22 11 16 00-1008	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	52.36	11.37
		For Work In Restricted Working Space, Add	*8.54*	
22 11 16 00-1009	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	55.82	12.63
		For Work In Restricted Working Space, Add	*9.45*	
22 11 16 00-1010	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	75.56	14.07
		For Work In Restricted Working Space, Add	*10.56*	
22 11 16 00-1011	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	123.68	16.00
		For Work In Restricted Working Space, Add	*12.00*	
22 11 16 00-1012	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	173.77	18.95
		For Work In Restricted Working Space, Add	*14.20*	
22 11 16 00-1013	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	273.14	23.25
		For Work In Restricted Working Space, Add	*17.46*	
22 11 16 00-1014	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	364.24	29.56
		For Work In Restricted Working Space, Add	*22.19*	
22 11 16 00-1015	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	451.63	38.83
		For Work In Restricted Working Space, Add	*29.11*	

22 11 16 00-1016 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0890)*

22 11 16 00-1017	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	6.68	1.27
		For Work In Restricted Working Space, Add	*0.96*	
22 11 16 00-1018	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	11.68	2.70
		For Work In Restricted Working Space, Add	*2.02*	
22 11 16 00-1019	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	19.59	4.38
		For Work In Restricted Working Space, Add	*3.26*	
22 11 16 00-1020	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	21.44	4.72
		For Work In Restricted Working Space, Add	*3.56*	
22 11 16 00-1021	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	22.89	5.22
		For Work In Restricted Working Space, Add	*3.94*	
22 11 16 00-1022	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.35	5.90
		For Work In Restricted Working Space, Add	*4.40*	
22 11 16 00-1023	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	44.95	6.65
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-1024	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	48.63	7.92
		For Work In Restricted Working Space, Add	*5.91*	
22 11 16 00-1025	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	73.04	9.68
		For Work In Restricted Working Space, Add	*7.28*	
22 11 16 00-1026	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	152.21	12.30
		For Work In Restricted Working Space, Add	*9.25*	
22 11 16 00-1027	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	196.29	16.17
		For Work In Restricted Working Space, Add	*12.13*	

22 11 16 00-1028 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0890)*

22 11 16 00-1029	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	16.06	3.03
		For Work In Restricted Working Space, Add	*2.30*	
22 11 16 00-1030	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	19.77	4.30
		For Work In Restricted Working Space, Add	*3.23*	
22 11 16 00-1031	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	24.49	5.81
		For Work In Restricted Working Space, Add	*4.34*	
22 11 16 00-1032	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	29.33	7.58
		For Work In Restricted Working Space, Add	*5.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1033	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	31.60	8.42
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1034	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	37.44	9.35
		For Work In Restricted Working Space, Add	*7.03*	
22 11 16 00-1035	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	48.58	10.70
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-1036	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	55.36	12.63
		For Work In Restricted Working Space, Add	*9.45*	
22 11 16 00-1037	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	69.07	15.50
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-1038	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	96.90	19.71
		For Work In Restricted Working Space, Add	*14.81*	
22 11 16 00-1039	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	171.93	25.86
		For Work In Restricted Working Space, Add	*19.41*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.45	1.83
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.52	1.83
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.68	1.83
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.64	1.83
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.85	2.74
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.19	2.74
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	14.27	3.65

22 11 19 00-0010 Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*

22 11 19 00-0011	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,112.43	216.85
22 11 19 00-0012	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,557.12	216.85

22 11 19 00-0013 Water Pump Hose *(22 11 19 00-0001)*

22 11 19 00-0014	EA	2" Inside Diameter, 20' Rubber Discharge Hose	193.21	55.75
22 11 19 00-0015	EA	2" Inside Diameter, 20' Rubber Intake Hose	199.53	55.75

22 11 19 00-0016 Serrated Shank Nipple *(22 11 19 00-0001)*

Note: For use as medium pressure coupling.

22 11 19 00-0017	EA	3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	19.77	4.57
22 11 19 00-0018	EA	1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	19.69	4.57
22 11 19 00-0019	EA	5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	19.69	4.57
22 11 19 00-0020	EA	3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	24.90	6.38
22 11 19 00-0021	EA	1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	26.15	6.38
22 11 19 00-0022	EA	1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	49.41	11.87
22 11 19 00-0023	EA	1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	61.39	14.60

22 11 19 00-0024 Worm-Drive Hose Clamp *(22 11 19 00-0001)*

22 11 19 00-0025	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	9.26	2.74
22 11 19 00-0026	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	9.80	2.74
22 11 19 00-0027	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	10.39	2.74
22 11 19 00-0028	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	11.07	2.74
22 11 19 00-0029	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	11.85	2.74
22 11 19 00-0030	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	12.80	3.65
22 11 19 00-0031	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	13.83	3.65

22 11 19 00-0032 Trap Primer And Accessories *(22 11 19)*

22 11 19 00-0033 Trap Primer *(22 11 19 00-0032)*

22 11 19 00-0034	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	145.26	13.72
22 11 19 00-0035	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	90.19	9.15
22 11 19 00-0036	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	87.78	9.15

22 11 19 00-0037 Trap Primer Distribution Unit *(22 11 19 00-0032)*

22 11 19 00-0038	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	91.59	18.30
22 11 19 00-0039	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	98.08	18.30

22 11 19 00-0040 Trap Primer Manifold *(22 11 19 00-0032)*

22 11 19 00-0041	EA	Two Outlet Manifold	118.80	24.62
22 11 19 00-0042	EA	Four Outlet Manifold	172.75	28.00
22 11 19 00-0043	EA	Six Outlet Manifold	224.24	29.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0044	EA	Eight Outlet Manifold	280.13	34.77
22 11 19 00-0045		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)* Note: Watts 288A		
22 11 19 00-0046	EA	1/2" Brass, Anti Siphon Vacuum Breaker	66.30	22.88
22 11 19 00-0047	EA	3/4" Brass, Anti Siphon Vacuum Breaker	75.36	25.62
22 11 19 00-0048	EA	1" Brass, Anti Siphon Vacuum Breaker	132.49	29.29
22 11 19 00-0049	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	198.79	33.85
22 11 19 00-0050	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	236.60	37.51
22 11 19 00-0051	EA	2" Brass, Anti Siphon Vacuum Breaker	336.89	45.75
22 11 19 00-0052	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	824.81	57.19
22 11 19 00-0053		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)* Note: Watts 800M4QT		
22 11 19 00-0054	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	153.34	22.88
22 11 19 00-0055	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	139.11	25.62
22 11 19 00-0056	EA	1" Anti Siphon Pressure Type Vacuum Breaker	191.70	29.29
22 11 19 00-0057	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	329.04	33.85
22 11 19 00-0058	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	399.15	37.51
22 11 19 00-0059	EA	2" Anti Siphon Pressure Type Vacuum Breaker	409.70	45.75
22 11 19 00-0060		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0061	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	131.19	10.95
22 11 19 00-0062	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	248.92	13.24
22 11 19 00-0063	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	359.19	13.24
22 11 19 00-0064	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	860.61	13.24
22 11 19 00-0065	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	968.02	13.24
22 11 19 00-0066	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,183.46	13.24
22 11 19 00-0067		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0068		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0067)*		
22 11 19 00-0069	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	78.74	6.10
22 11 19 00-0070	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	147.17	7.03
22 11 19 00-0071	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	216.25	7.63
22 11 19 00-0072	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	524.20	9.84
22 11 19 00-0073	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	638.65	12.20
22 11 19 00-0074	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	726.16	13.24
22 11 19 00-0075		**Escutcheons** *(22 11 19)*		
22 11 19 00-0076		**Brass Escutcheons** *(22 11 19 00-0075)*		
22 11 19 00-0077		**Shallow Brass Escutcheons** *(22 11 19 00-0076)*		
22 11 19 00-0078	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	10.51	2.28
22 11 19 00-0079	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	11.34	2.28
22 11 19 00-0080		**Deep Bell Brass Escutcheons** *(22 11 19 00-0076)*		
22 11 19 00-0081	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.42	2.57
22 11 19 00-0082	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.44	2.57
22 11 19 00-0083		**Chrome Plated Brass Escutcheons With Setscrew** *(22 11 19 00-0076)*		
22 11 19 00-0084	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.90	2.28
22 11 19 00-0085	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.02	2.28
22 11 19 00-0086	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.19	2.28
22 11 19 00-0087	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.81	2.28
22 11 19 00-0088	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.10	2.75
22 11 19 00-0089	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.70	2.75
22 11 19 00-0090	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.33	3.02
22 11 19 00-0091	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.11	3.20
22 11 19 00-0092	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.43	3.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0093		Plastic Escutcheons *(22 11 19 00-0075)*		
22 11 19 00-0094		Split-Ring White Plastic Escutcheons *(22 11 19 00-0093)*		
22 11 19 00-0095	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	4.80	2.28
22 11 19 00-0096	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	4.80	2.28
22 11 19 00-0097	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	5.36	2.56
22 11 19 00-0098	EA	1" IPS, Split-Ring White Plastic Escutcheon	5.83	2.74
22 11 19 00-0099	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	6.32	3.01
22 11 19 00-0100	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	6.78	3.19
22 11 19 00-0101	EA	2" IPS, Split-Ring White Plastic Escutcheon	7.73	3.65
22 11 19 00-0102	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	8.68	3.93
22 11 19 00-0103	EA	3" IPS, Split-Ring White Plastic Escutcheon	9.62	4.11
22 11 19 00-0104	EA	4" IPS, Split-Ring White Plastic Escutcheon	11.02	4.57
22 11 19 00-0105		Chrome Plate Plastic Escutcheons *(22 11 19 00-0093)*		
22 11 19 00-0106	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	5.21	2.28
22 11 19 00-0107	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	5.71	2.56
22 11 19 00-0108	EA	1" IPS, Chrome Plate Plastic Escutcheon	6.28	2.74
22 11 19 00-0109	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	6.86	3.01
22 11 19 00-0110	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	7.33	3.19
22 11 19 00-0111	EA	2" IPS, Chrome Plate Plastic Escutcheon	8.66	3.65
22 11 19 00-0112	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	10.36	3.93
22 11 19 00-0113	EA	3" IPS, Chrome Plate Plastic Escutcheon	10.86	4.11
22 11 19 00-0114	EA	4" IPS, Chrome Plate Plastic Escutcheon	11.87	4.57
22 11 19 00-0115		Stainless Steel Escutcheons *(22 11 19 00-0075)*		
22 11 19 00-0116		Shallow Stainless Steel Escutcheons *(22 11 19 00-0115)*		
22 11 19 00-0117	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	11.32	2.28
22 11 19 00-0118	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	11.32	2.28
22 11 19 00-0119	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	15.40	2.57
22 11 19 00-0120		Chrome Plated Steel Escutcheons *(22 11 19 00-0075)*		
22 11 19 00-0121		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0120)*		
22 11 19 00-0122	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.92	2.28
22 11 19 00-0123	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.37	2.56
22 11 19 00-0124	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.89	2.74
22 11 19 00-0125	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.35	3.01
22 11 19 00-0126	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.80	3.19
22 11 19 00-0127	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.82	3.65
22 11 19 00-0128	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.66	3.93
22 11 19 00-0129	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.30	4.11
22 11 19 00-0130	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.42	4.38
22 11 19 00-0131	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.38	4.57
22 11 19 00-0132	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.37	5.02
22 11 19 00-0133	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.66	5.47
22 11 19 00-0134		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0120)*		
22 11 19 00-0135	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.91	2.28
22 11 19 00-0136	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.91	2.28
22 11 19 00-0137	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.44	2.56
22 11 19 00-0138	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.19	2.74
22 11 19 00-0139	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.86	3.01
22 11 19 00-0140	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	9.41	3.19
22 11 19 00-0141	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.07	3.65
22 11 19 00-0142	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.52	3.93
22 11 19 00-0143	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.84	4.11
22 11 19 00-0144	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.74	4.38
22 11 19 00-0145	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.11	4.57
22 11 19 00-0146	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	28.15	5.02
22 11 19 00-0147	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	29.55	5.47
22 11 19 00-0148		Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0120)*		
22 11 19 00-0149	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.88	2.57
22 11 19 00-0150	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.82	2.57
22 11 19 00-0151	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.70	2.57
22 11 19 00-0152	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.23	2.75
22 11 19 00-0153	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.76	3.02
22 11 19 00-0154	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.39	3.20
22 11 19 00-0155		Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0120)*		
22 11 19 00-0156	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	5.47	2.28
22 11 19 00-0157	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	5.47	2.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0158	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	5.52	2.28
22 11 19 00-0159	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	5.88	2.75
22 11 19 00-0160	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	6.37	3.02
22 11 19 00-0161	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.00	3.20
22 11 19 00-0162	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	7.95	3.66
22 11 19 00-0163		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0164		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0163)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0165	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	473.81	22.88
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0166	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	502.64	27.45
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0167	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	521.38	33.04
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0168		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0163)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0169	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	499.01	38.43
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0170		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0163)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0171	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	278.72	28.37
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0172	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.07	28.37
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0173	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.07	28.37
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0174	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.07	28.37
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0175	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	350.64	57.19
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0176	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	350.64	57.19
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0177	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	391.26	57.19
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0178		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0163)*		
		Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0179	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	247.42	22.88
22 11 19 00-0180	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	267.78	22.88
22 11 19 00-0181	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	270.55	22.88
22 11 19 00-0182	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	301.09	22.88
22 11 19 00-0183	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	419.03	32.03
22 11 19 00-0184	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	431.06	32.03
22 11 19 00-0185	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	431.06	32.03
22 11 19 00-0186	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	459.74	32.03
22 11 19 00-0187		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0188		**Dryer Vent Kit** *(22 11 19 00-0187)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0189	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	63.32	11.89
22 11 19 00-0190		**Washer Boxes And Dryer Vents** *(22 11 19 00-0187)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0191	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	208.09	18.30
22 11 19 00-0192		**Ice Maker Outlet Box** *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0193	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	113.17	18.30
22 11 19 00-0194	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	138.58	18.30
22 11 19 00-0195	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	152.56	18.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0196		Tempering Controllers For Potable Hot Water *(22 11 19)*		
22 11 19 00-0197		Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0196)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0198	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	320.97	22.15
22 11 19 00-0199	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	141.35	22.15
22 11 19 00-0200	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	186.46	22.15
22 11 19 00-0201	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	215.78	29.84
22 11 19 00-0202		Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0196)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0203	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	860.71	31.94
22 11 19 00-0204	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	967.44	39.35
22 11 19 00-0205	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,162.46	45.77
22 11 19 00-0206	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,502.54	48.11
22 11 19 00-0207	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,016.38	62.41
22 11 19 00-0208		High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0196)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0209	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,181.67	49.20
22 11 19 00-0210	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,836.92	57.21
22 11 19 00-0211	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,305.98	60.13
22 11 19 00-0212	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,666.97	78.01
22 11 19 00-0213		Thermostatic Mixing Valves (Leonard) *(22 11 19 00-0196)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0214	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	604.67	31.94
22 11 19 00-0215	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	712.71	39.34
22 11 19 00-0216	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	874.72	45.77
22 11 19 00-0217	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,065.87	48.13
22 11 19 00-0218	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	1,579.31	62.41
22 11 19 00-0219		Water Mixing/Self Operating Temperature Regulator *(22 11 19 00-0196)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0220	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,279.46	45.75
22 11 19 00-0221	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,373.22	57.65
22 11 19 00-0222	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,525.29	69.55
22 11 19 00-0223	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,689.88	81.44
22 11 19 00-0224	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,986.55	107.06
22 11 19 00-0225	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,310.69	122.05
22 11 19 00-0226		Backflow Preventer Valves *(22 11 19)*		
22 11 19 00-0227		Double Check Valve Backflow Preventer Assemblies *(22 11 19 00-0226)*		
22 11 19 00-0228		Threaded Double Check Valve Assemblies *(22 11 19 00-0227)*		
22 11 19 00-0229		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0228)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0230	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	239.19	24.53
		For Work In Restricted Working Space, Add	*18.39*	
		For Owner Furnished Material, Deduct	*-177.88*	
22 11 19 00-0231	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	287.74	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-200.81*	
22 11 19 00-0232	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	333.99	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-227.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0233	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	458.27	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-334.73*	
22 11 19 00-0234	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	562.98	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-422.07*	
22 11 19 00-0235	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	656.22	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-473.20*	

22 11 19 00-0236 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0228)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

22 11 19 00-0237	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	290.09	24.53
		For Work In Restricted Working Space, Add	*18.39*	
		For Owner Furnished Material, Deduct	*-228.78*	
22 11 19 00-0238	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	362.29	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-275.36*	
22 11 19 00-0239	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	425.38	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-319.23*	
22 11 19 00-0240	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	588.48	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-464.95*	
22 11 19 00-0241	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	716.36	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-575.45*	
22 11 19 00-0242	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	867.97	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-684.95*	

22 11 19 00-0243 Flanged Double Check Valve Assemblies *(22 11 19 00-0227)*

22 11 19 00-0244 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).

22 11 19 00-0245	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,707.64	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,438.10*	
22 11 19 00-0246	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,878.50	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,579.48*	

22 11 19 00-0247 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).

22 11 19 00-0248	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	1,853.82	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,584.28*	
22 11 19 00-0249	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	2,122.30	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,823.28*	

22 11 19 00-0250 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).

22 11 19 00-0251	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,098.82	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,829.30*	
22 11 19 00-0252	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,307.97	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,008.94*	
22 11 19 00-0253	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,672.30	336.92
		For Work In Restricted Working Space, Add	*134.69*	
		For Owner Furnished Material, Deduct	*-2,223.32*	
22 11 19 00-0254	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	4,468.00	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,575.26*	
22 11 19 00-0255	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	8,507.54	741.29
		For Work In Restricted Working Space, Add	*401.80*	
		For Owner Furnished Material, Deduct	*-7,168.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0256	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	11,134.20	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-9,540.02*	

22 11 19 00-0257 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0258	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,301.11	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,031.59*	
22 11 19 00-0259	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,549.99	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,250.97*	
22 11 19 00-0260	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	3,210.42	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,761.48*	
22 11 19 00-0261	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	5,489.12	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-4,596.38*	
22 11 19 00-0262	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	10,227.62	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-8,888.50*	
22 11 19 00-0263	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	11,134.20	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-9,540.02*	

22 11 19 00-0264 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).

22 11 19 00-0265	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,225.95	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,956.43*	
22 11 19 00-0266	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,539.17	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,240.15*	
22 11 19 00-0267	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,941.69	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,492.75*	
22 11 19 00-0268	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	4,790.46	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,897.72*	
22 11 19 00-0269	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	9,045.32	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-7,706.20*	
22 11 19 00-0270	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	12,209.09	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-10,614.91*	

22 11 19 00-0271 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0272	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	1,922.53	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,653.01*	
22 11 19 00-0273	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,117.43	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,818.41*	
22 11 19 00-0274	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,432.75	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-1,983.81*	
22 11 19 00-0275	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	3,994.70	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,101.96*	
22 11 19 00-0276	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	7,471.96	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,132.84*	
22 11 19 00-0277	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	8,156.75	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-6,562.57*	

22 11 19 00-0278 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0279	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,509.06	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,239.54*	

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22 11 19 00-0280	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,703.96	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,404.94*	
22 11 19 00-0281	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series)	3,412.85	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,963.91*	
22 11 19 00-0282	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	5,635.44	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-4,742.70*	
22 11 19 00-0283	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	9,903.70	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-8,564.58*	
22 11 19 00-0284	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	11,785.52	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-10,191.34*	

22 11 19 00-0285 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0286	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,805.88	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,536.36*	
22 11 19 00-0287	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,006.08	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,707.06*	
22 11 19 00-0288	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,326.63	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-1,877.69*	
22 11 19 00-0289	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	3,911.34	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,018.60*	
22 11 19 00-0290	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,391.63	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,052.51*	
22 11 19 00-0291	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,381.06	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-6,786.88*	

22 11 19 00-0292 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0293	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,343.22	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,073.70*	
22 11 19 00-0294	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,538.12	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,239.10*	
22 11 19 00-0295	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,247.22	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,798.28*	
22 11 19 00-0296	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,459.02	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-4,566.28*	
22 11 19 00-0297	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,636.67	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-8,297.55*	
22 11 19 00-0298	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,517.71	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-9,923.53*	

22 11 19 00-0299 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

22 11 19 00-0300	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,081.78	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,812.26*	
22 11 19 00-0301	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,276.67	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,977.65*	
22 11 19 00-0302	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,591.99	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,143.05*	
22 11 19 00-0303	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,157.96	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,265.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0304	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,635.21	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,296.09*	

22 11 19 00-0305 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0243)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).

22 11 19 00-0306	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	2,668.30	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,398.78*	
22 11 19 00-0307	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,863.20	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,564.18*	
22 11 19 00-0308	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,572.09	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-3,123.15*	
22 11 19 00-0309	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,798.73	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-4,905.99*	
22 11 19 00-0310	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,635.21	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,296.09*	

22 11 19 00-0311 Grooved Double Check Valve Assemblies *(22 11 19 00-0227)*

22 11 19 00-0312 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0311)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).

22 11 19 00-0313	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,805.88	107.81
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,536.36*	
22 11 19 00-0314	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,006.08	119.61
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,707.06*	

22 11 19 00-0315 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0311)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).

22 11 19 00-0316	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,343.22	107.81
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,073.70*	
22 11 19 00-0317	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,538.12	119.61
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,239.10*	

22 11 19 00-0318 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0226)*

22 11 19 00-0319 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0318)*

22 11 19 00-0320 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0319)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0321	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	259.97	21.23
		For Work In Restricted Working Space, Add	*15.92*	
		For Owner Furnished Material, Deduct	*-206.89*	
22 11 19 00-0322	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	275.50	23.43
		For Work In Restricted Working Space, Add	*17.57*	
		For Owner Furnished Material, Deduct	*-216.94*	
22 11 19 00-0323	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	318.29	24.53
		For Work In Restricted Working Space, Add	*18.39*	
		For Owner Furnished Material, Deduct	*-256.98*	
22 11 19 00-0324	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	429.18	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-342.25*	
22 11 19 00-0325	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	510.34	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-404.19*	
22 11 19 00-0326	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	757.58	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-634.05*	
22 11 19 00-0327	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	804.78	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-663.87*	
22 11 19 00-0328	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	970.81	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-787.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0329		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0319)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0330	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	285.02	21.23
		For Work In Restricted Working Space, Add	*15.92*	
		For Owner Furnished Material, Deduct	*-231.94*	
22 11 19 00-0331	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	301.89	23.43
		For Work In Restricted Working Space, Add	*17.57*	
		For Owner Furnished Material, Deduct	*-243.33*	
22 11 19 00-0332	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	354.46	34.77
		For Work In Restricted Working Space, Add	*18.39*	
		For Owner Furnished Material, Deduct	*-293.15*	
22 11 19 00-0333	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	486.03	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-399.10*	
22 11 19 00-0334	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	581.42	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-475.27*	
22 11 19 00-0335	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	854.52	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-730.99*	
22 11 19 00-0336	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	941.58	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-800.67*	
22 11 19 00-0337	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,138.65	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-955.63*	
22 11 19 00-0338		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0319)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0339	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	429.18	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-342.25*	
22 11 19 00-0340	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	510.34	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-404.19*	
22 11 19 00-0341	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	757.59	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-634.05*	
22 11 19 00-0342	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	804.78	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-663.87*	
22 11 19 00-0343	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	970.81	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-787.79*	
22 11 19 00-0344		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0319)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	486.03	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-399.10*	
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	581.42	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-475.27*	
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	854.52	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-730.99*	
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	941.58	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-800.67*	
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,138.65	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-955.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0350		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0319)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0351	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	625.89	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-538.96*	
22 11 19 00-0352	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	742.23	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-636.08*	
22 11 19 00-0353	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,121.86	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-998.33*	
22 11 19 00-0354	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,217.44	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-1,076.53*	
22 11 19 00-0355	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,422.84	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-1,239.82*	
22 11 19 00-0356		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0319)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0357	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	702.47	34.77
		For Work In Restricted Working Space, Add	*26.08*	
		For Owner Furnished Material, Deduct	*-615.54*	
22 11 19 00-0358	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	837.23	42.45
		For Work In Restricted Working Space, Add	*31.85*	
		For Owner Furnished Material, Deduct	*-731.08*	
22 11 19 00-0359	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,253.80	49.42
		For Work In Restricted Working Space, Add	*37.06*	
		For Owner Furnished Material, Deduct	*-1,130.27*	
22 11 19 00-0360	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,373.30	56.73
		For Work In Restricted Working Space, Add	*42.27*	
		For Owner Furnished Material, Deduct	*-1,232.39*	
22 11 19 00-0361	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,642.03	73.21
		For Work In Restricted Working Space, Add	*54.91*	
		For Owner Furnished Material, Deduct	*-1,459.01*	
22 11 19 00-0362		**Flanged Reduced Pressure Zone Assemblies** *(22 11 19 00-0318)*		
22 11 19 00-0363		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0362)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0364	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)	2,029.49	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,759.95*	
22 11 19 00-0365	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)	2,284.12	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-1,985.10*	
22 11 19 00-0366		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer** *(22 11 19 00-0362)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0367	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,250.05	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,980.51*	
22 11 19 00-0368	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,543.25	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,244.23*	
22 11 19 00-0369		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0362)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0370	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,167.27	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-1,897.73*	
22 11 19 00-0371	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,513.90	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,214.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0372 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0362)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).

22 11 19 00-0373	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)	2,540.68	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,271.14*	
22 11 19 00-0374	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)	2,902.24	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,603.22*	

22 11 19 00-0375 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0362)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).

22 11 19 00-0376	EA	1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	980.55	126.34
		For Work In Restricted Working Space, Add	*50.54*	
		For Owner Furnished Material, Deduct	*-812.09*	
22 11 19 00-0377	EA	1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	1,090.40	147.41
		For Work In Restricted Working Space, Add	*59.38*	
		For Owner Furnished Material, Deduct	*-892.46*	
22 11 19 00-0378	EA	2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	1,290.16	172.67
		For Work In Restricted Working Space, Add	*69.49*	
		For Owner Furnished Material, Deduct	*-1,058.53*	

22 11 19 00-0379 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0362)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).

22 11 19 00-0380	EA	1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,062.99	126.34
		For Work In Restricted Working Space, Add	*50.54*	
		For Owner Furnished Material, Deduct	*-894.53*	
22 11 19 00-0381	EA	1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,355.51	147.41
		For Work In Restricted Working Space, Add	*59.38*	
		For Owner Furnished Material, Deduct	*-1,157.57*	
22 11 19 00-0382	EA	2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,433.28	172.67
		For Work In Restricted Working Space, Add	*69.49*	
		For Owner Furnished Material, Deduct	*-1,201.65*	

22 11 19 00-0383 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0362)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).

22 11 19 00-0384	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	2,519.70	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,250.18*	
22 11 19 00-0385	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	2,839.98	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,540.95*	
22 11 19 00-0386	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	3,535.57	336.92
		For Work In Restricted Working Space, Add	*134.69*	
		For Owner Furnished Material, Deduct	*-3,086.59*	
22 11 19 00-0387	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	6,164.88	494.20
		For Work In Restricted Working Space, Add	*374.97*	
		For Owner Furnished Material, Deduct	*-4,914.97*	
22 11 19 00-0388	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)	10,482.52	741.29
		For Work In Restricted Working Space, Add	*562.46*	
		For Owner Furnished Material, Deduct	*-8,607.64*	
22 11 19 00-0389	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)	13,034.51	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-11,440.33*	

22 11 19 00-0390 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0362)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).

22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	2,722.51	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,452.99*	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,078.96	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,779.94*	
22 11 19 00-0393	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,996.28	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-3,547.34*	
22 11 19 00-0394	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	6,683.39	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-5,790.65*	
22 11 19 00-0395	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	11,420.46	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-10,081.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0396	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	15,567.80	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-13,973.62*	
22 11 19 00-0397		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0362)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0398	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	2,603.24	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,333.72*	
22 11 19 00-0399	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	3,014.35	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,715.32*	
22 11 19 00-0400	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	3,634.51	336.92
		For Work In Restricted Working Space, Add	*134.69*	
		For Owner Furnished Material, Deduct	*-3,185.53*	
22 11 19 00-0401	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	5,962.80	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-5,070.06*	
22 11 19 00-0402	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	10,192.96	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-8,853.84*	
22 11 19 00-0403	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	14,300.17	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-12,705.99*	
22 11 19 00-0404		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0362)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0405	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,203.35	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-3,933.81*	
22 11 19 00-0406	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,741.13	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-4,442.11*	
22 11 19 00-0407		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0362)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0408	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	4,391.81	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-4,122.27*	
22 11 19 00-0409	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	5,095.39	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-4,796.37*	
22 11 19 00-0410		**Double Check Detector Assemblies** *(22 11 19 00-0226)*		
22 11 19 00-0411		**Flanged Double Check Detector Assemblies With Meter** *(22 11 19 00-0410)*		
22 11 19 00-0412		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter** *(22 11 19 00-0411)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0413	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,715.82	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-3,416.80*	
22 11 19 00-0414	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,945.02	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-3,496.08*	
22 11 19 00-0415	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,432.53	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-4,539.79*	
22 11 19 00-0416	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,545.05	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-8,205.93*	
22 11 19 00-0417	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,808.91	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-11,214.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0418		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter** *(22 11 19 00-0411)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0419	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,800.83	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,531.29*	
22 11 19 00-0420	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,995.53	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,696.51*	
22 11 19 00-0421	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,314.76	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-2,865.82*	
22 11 19 00-0422	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,613.98	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,721.24*	
22 11 19 00-0423	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	8,065.59	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,726.47*	
22 11 19 00-0424	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,517.07	876.80
		For Work In Restricted Working Space, Add	*478.25*	
		For Owner Furnished Material, Deduct	*-7,922.89*	
22 11 19 00-0425		**Double Check Detector Assembly With Butterfly Valves And Meter** *(22 11 19 00-0411)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0426	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	2,960.10	202.15
		For Work In Restricted Working Space, Add	*80.86*	
		For Owner Furnished Material, Deduct	*-2,690.56*	
22 11 19 00-0427	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,154.81	227.42
		For Work In Restricted Working Space, Add	*89.71*	
		For Owner Furnished Material, Deduct	*-2,855.79*	
22 11 19 00-0428	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,474.00	336.92
		For Work In Restricted Working Space, Add	*134.68*	
		For Owner Furnished Material, Deduct	*-3,025.06*	
22 11 19 00-0429	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,777.23	494.20
		For Work In Restricted Working Space, Add	*267.82*	
		For Owner Furnished Material, Deduct	*-3,884.49*	
22 11 19 00-0430	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,869.72	741.29
		For Work In Restricted Working Space, Add	*401.74*	
		For Owner Furnished Material, Deduct	*-6,530.60*	
22 11 19 00-0431		**Flanged Double Check Detector Assemblies Without Meter** *(22 11 19 00-0410)*		
22 11 19 00-0432		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter** *(22 11 19 00-0431)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0433	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,750.54	202.15
		For Work In Restricted Working Space, Add	*80.86*	
22 11 19 00-0434	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,945.27	227.42
		For Work In Restricted Working Space, Add	*89.71*	
22 11 19 00-0435	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,264.49	336.92
		For Work In Restricted Working Space, Add	*134.68*	
22 11 19 00-0436	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,563.71	494.20
		For Work In Restricted Working Space, Add	*267.82*	
22 11 19 00-0437	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	8,015.36	741.29
		For Work In Restricted Working Space, Add	*401.74*	
22 11 19 00-0438	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,466.76	876.80
		For Work In Restricted Working Space, Add	*478.25*	
22 11 19 00-0439		**Double Check Detector Assembly With Butterfly Valves Less Meter** *(22 11 19 00-0431)* Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0440	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,909.80	202.15
		For Work In Restricted Working Space, Add	*80.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0441	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,104.51	227.42
		For Work In Restricted Working Space, Add	*89.71*	
22 11 19 00-0442	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,423.73	336.92
		For Work In Restricted Working Space, Add	*134.68*	
22 11 19 00-0443	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,726.93	494.20
		For Work In Restricted Working Space, Add	*267.82*	
22 11 19 00-0444	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,178.61	741.29
		For Work In Restricted Working Space, Add	*401.74*	

22 11 19 00-0445 Backflow Preventer Accessories *(22 11 19 00-0226)*

22 11 19 00-0446 Air Gap *(22 11 19 00-0445)*

22 11 19 00-0447	EA	Up To 1" Diameter Air Gap For Backflow Preventer	70.22	11.44
22 11 19 00-0448	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	86.14	13.72
22 11 19 00-0449	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	156.06	18.30
22 11 19 00-0450	EA	4" To 6" Diameter Air Gap For Backflow Preventer	305.52	32.03
22 11 19 00-0451	EA	8" To 10" Diameter Air Gap For Backflow Preventer	332.98	45.75

22 11 19 00-0452 Brass Test Cocks *(22 11 19 00-0445)*

22 11 19 00-0453	EA	1/8" Or 1/4" Brass Test Cock	23.20	4.58

22 11 19 00-0454 Backflow Valve Enclosures *(22 11 19 00-0226)*

22 11 19 00-0455 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0454)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0456	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	631.13	82.35
		For Heated Enclosure, Add	*74.08*	
22 11 19 00-0457	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	769.32	82.35
		For Heated Enclosure, Add	*94.81*	
22 11 19 00-0458	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	965.08	75.81
		For Heated Enclosure, Add	*125.81*	
22 11 19 00-0459	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,010.81	101.08
		For Heated Enclosure, Add	*126.35*	
22 11 19 00-0460	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,057.67	101.08
		For Heated Enclosure, Add	*133.38*	
22 11 19 00-0461	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,240.32	101.08
		For Heated Enclosure, Add	*160.78*	
22 11 19 00-0462	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,245.13	101.08
		For Heated Enclosure, Add	*161.50*	
22 11 19 00-0463	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,556.35	101.08
		For Heated Enclosure, Add	*208.18*	
22 11 19 00-0464	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,556.00	151.61
		For Heated Enclosure, Add	*495.50*	
22 11 19 00-0465	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,126.54	151.61
		For Heated Enclosure, Add	*731.08*	
22 11 19 00-0466	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,874.20	151.61
		For Heated Enclosure, Add	*693.23*	
22 11 19 00-0467	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,866.80	176.88
		For Heated Enclosure, Add	*835.80*	

22 11 19 00-0468 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0454)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0469	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	337.01	21.96
		For Heated Enclosure, Add	*60.08*	
22 11 19 00-0470	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	464.38	21.96
		For Heated Enclosure, Add	*85.56*	
22 11 19 00-0471	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	579.24	20.22
		For Heated Enclosure, Add	*109.11*	
22 11 19 00-0472	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	870.04	20.22
		For Heated Enclosure, Add	*167.27*	
22 11 19 00-0473	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,245.36	37.90
		For Heated Enclosure, Add	*436.44*	
22 11 19 00-0474	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,058.87	37.90
		For Heated Enclosure, Add	*599.14*	
22 11 19 00-0475	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,043.48	37.90
		For Heated Enclosure, Add	*396.06*	
22 11 19 00-0476	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,310.25	37.90
		For Heated Enclosure, Add	*449.41*	
22 11 19 00-0477	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,604.41	37.90
		For Heated Enclosure, Add	*708.25*	

22 11 19 00-0478 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0454)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0479	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,614.84	164.71
		For Heated Enclosure, Add	*651.05*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0480	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,079.88	164.71
		For Heated Enclosure, Add	*720.80*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0481	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,612.48	151.61
		For Heated Enclosure, Add	*503.97*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0482	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,956.14	151.61
		For Heated Enclosure, Add	*555.52*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0483	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	4,613.56	202.15
		For Heated Enclosure, Add	*641.50*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0484	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,163.91	202.15
		For Heated Enclosure, Add	*724.05*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0485	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,163.91	202.15
		For Heated Enclosure, Add	*724.05*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0486	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,697.44	202.15
		For Heated Enclosure, Add	*804.08*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0487	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	4,287.85	176.88
		For Heated Enclosure, Add	*598.96*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0488	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,018.51	202.15
		For Heated Enclosure, Add	*702.24*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0489	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	5,851.25	202.15
		For Heated Enclosure, Add	*827.15*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0490	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	6,420.25	214.79
		For Heated Enclosure, Add	*909.34*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0491	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	6,589.36	233.34
		For Heated Enclosure, Add	*930.07*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0492	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	7,299.58	247.07
		For Heated Enclosure, Add	*1,033.17*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0493	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	7,542.01	227.42
		For Heated Enclosure, Add	*1,074.45*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0494	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	5,490.75	202.15
		For Heated Enclosure, Add	*773.07*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0495	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	5,847.64	202.15
		For Heated Enclosure, Add	*826.61*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0496	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	6,611.31	214.79
		For Heated Enclosure, Add	*938.00*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0497	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,999.83	227.42
		For Heated Enclosure, Add	*1,143.12*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0498	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	6,991.65	101.08
		For Heated Enclosure, Add	*991.89*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0499	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	8,388.59	101.08
		For Heated Enclosure, Add	*1,198.28*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0500	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	8,113.42	151.61
		For Heated Enclosure, Add	*1,157.00*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0501	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	9,408.85	151.61
		For Heated Enclosure, Add	*1,345.00*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0502	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	8,684.83	151.61
		For Heated Enclosure, Add	*1,239.55*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0503	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	10,143.67	176.88
		For Heated Enclosure, Add	*1,452.06*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0504	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	10,185.78	151.61
		For Heated Enclosure, Add	*1,452.06*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0505	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	12,072.42	151.61
		For Heated Enclosure, Add	*1,728.74*	
		For One 24" Fluorescent Light Fixture, Add	*423.62*	
		For Two 24" Fluorescent Light Fixture, Add	*758.05*	
22 11 19 00-0506		Faucets (Hose Bibbs) *(22 11 19)*		
22 11 19 00-0507		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0506)*		
22 11 19 00-0508	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	43.84	9.15
22 11 19 00-0509	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	51.49	10.07
22 11 19 00-0510	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	14.92	6.86
22 11 19 00-0511		Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0506)*		
22 11 19 00-0512	EA	3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	104.44	28.00
22 11 19 00-0513		Antisiphon Freezeless Wall Faucet *(22 11 19 00-0506)*		
22 11 19 00-0514	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	104.12	22.88
22 11 19 00-0515	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	113.07	25.35
22 11 19 00-0516	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	119.72	26.81
22 11 19 00-0517	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	126.36	28.73
22 11 19 00-0518	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	133.10	30.47
22 11 19 00-0519		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0520	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	206.08	27.37
22 11 19 00-0521	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	227.70	27.37
22 11 19 00-0522	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	260.13	27.37
22 11 19 00-0523	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	256.76	36.50
22 11 19 00-0524	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	289.19	36.50
22 11 19 00-0525	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	298.92	36.50
22 11 19 00-0526	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	240.67	27.37
22 11 19 00-0527	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	288.24	27.37
22 11 19 00-0528	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	330.39	27.37
22 11 19 00-0529	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	317.30	36.50
22 11 19 00-0530	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	359.45	36.50
22 11 19 00-0531	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	375.67	36.50
22 11 23		**Domestic Water Pumps** *(22 11)*		
22 11 23 13		**Domestic Water Packaged Booster Pumps And Tanks** *(22 11 23)*		
		Note: Includes motor starter and controls.		
22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,090.53	269.54
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,435.40	362.18
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,836.87	454.84
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,210.05	547.49
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	10,205.99	640.15
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,343.48	732.80
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	12,141.27	825.45
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	21,892.22	1,090.80
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	26,321.60	1,158.98
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	30,769.03	1,227.15
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	28,734.86	1,158.98
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,711.25	1,227.15

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	44,337.87	1,363.51
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	56,102.09	1,499.86
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	67,866.31	1,636.20
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	79,043.01	1,840.72
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	90,219.72	2,045.26
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	101,396.43	2,249.78
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	112,743.57	2,522.48

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	633.29	151.61
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	647.01	151.61
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	674.18	154.56
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	735.93	160.88
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,228.75	166.85
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,302.46	166.85
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,897.84	183.71
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	1,986.67	201.83
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,388.71	222.05
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,454.37	244.38
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	2,684.96	268.40
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	3,781.35	295.37
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,333.37	309.69

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	638.29	151.61
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	985.52	151.61
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	991.62	154.56
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,009.51	157.93
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	1,015.39	160.88
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,036.89	166.85
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,250.83	183.71
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,602.15	222.05
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,695.94	244.38
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	1,966.43	268.40
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,599.35	295.37
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	3,011.56	309.69
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,845.58	325.28
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,064.91	357.55
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,367.26	379.21
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,209.44	421.35
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,508.51	505.70
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,710.35	590.14

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	24,689.40	7,174.80
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	27,323.12	7,174.80
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	47,896.41	11,072.24
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	61,864.61	14,349.59

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	28,591.21	7,174.80
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	37,760.48	7,174.80
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	56,659.67	11,072.24
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	79,840.68	14,349.59

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,865.91	336.92
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,312.24	421.15
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,214.87	463.26
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	4,660.01	505.37
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	9,179.93	547.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	7,929.87	589.60
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	13,548.40	631.72
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	12,500.72	673.83
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	13,577.45	715.95
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	16,161.39	758.06

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,604.95	336.92
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	3,047.24	421.15
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	3,799.84	463.26
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	4,685.70	505.37
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	3,992.30	505.37
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	6,134.93	547.49
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,639.16	589.60
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	6,324.16	589.60
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	5,779.26	589.60
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	7,878.40	631.72
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	8,544.66	673.83
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	9,909.14	715.95
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	18,494.58	758.06

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	440.78	189.52
		For Saddle Assembly, Add	*481.48*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	515.89	221.10
		For Saddle Assembly, Add	*481.48*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	607.51	252.69
		For Saddle Assembly, Add	*537.58*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	728.82	284.27
		For Saddle Assembly, Add	*756.48*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	862.24	315.86
		For Two Tie Down Bands, Add	*285.04*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,104.98	415.49
		For Two Tie Down Bands, Add	*300.44*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,590.30	484.74
		For Three Tie Down Bands, Add	*500.16*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,229.14	553.99
		For Three Tie Down Bands, Add	*503.46*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,751.57	623.23
		For Four Tie Down Bands, Add	*680.08*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,206.30	692.48
		For Four Tie Down Bands, Add	*904.48*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,480.63	761.73
		For Four Tie Down Bands, Add	*1,150.88*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,166.96	830.98
		For Four Tie Down Bands, Add	*1,234.48*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,383.29	1,107.97
		For Four Tie Down Bands, Add	*1,379.68*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,404.99	1,107.97
		For Five Tie Down Bands, Add	*2,126.09*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	503.01	252.69
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	588.97	268.48
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	641.92	284.27
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	764.34	315.86
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	880.46	379.03
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,037.29	442.21
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,403.04	553.99
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,805.50	692.48
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,381.76	830.98
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,061.43	969.47
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,360.39	1,107.97
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,789.15	1,246.47
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,550.21	1,384.96
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,216.68	1,523.46
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,272.53	1,661.96
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,309.70	1,800.45
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,391.86	1,938.95
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,653.18	2,215.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 16 Sanitary Waste And Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*
Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	22.72	5.30
		For Work In Restricted Working Space, Add	*3.89*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	32.19	8.00
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.72	10.20
		For Work In Restricted Working Space, Add	*6.79*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	47.91	12.43
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	55.85	13.55
		For Work In Restricted Working Space, Add	*7.77*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	87.22	19.26
		For Work In Restricted Working Space, Add	*10.90*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	124.60	19.26
		For Work In Restricted Working Space, Add	*12.34*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*
Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.32	5.05
		For Work In Restricted Working Space, Add	*4.22*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.59	5.39
		For Work In Restricted Working Space, Add	*4.55*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.82	7.83
		For Work In Restricted Working Space, Add	*5.84*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	33.12	10.20
		For Work In Restricted Working Space, Add	*7.19*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	53.57	12.20
		For Work In Restricted Working Space, Add	*11.64*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.81	13.31
		For Work In Restricted Working Space, Add	*12.45*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	95.41	19.09
		For Work In Restricted Working Space, Add	*19.88*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	96.10	21.70
		For Work In Restricted Working Space, Add	*14.48*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*
Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

22 13 16 00-0020 Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)*
Note: Excludes excavation, hangers, gaskets, and fittings.

22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	15.82	5.30
		For Extra Heavy Pipe, Add	*3.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.40*	
		For Work In Restricted Working Space, Add	*2.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	23.22	8.00
		For Extra Heavy Pipe, Add	*4.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.61*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	29.86	10.20
		For Extra Heavy Pipe, Add	*6.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.60*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	39.12	12.43
		For Extra Heavy Pipe, Add	*8.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.93*	
		For Work In Restricted Working Space, Add	*5.58*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	45.28	13.55
		For Extra Heavy Pipe, Add	*10.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.01*	
		For Work In Restricted Working Space, Add	*6.09*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	67.76	19.26
		For Extra Heavy Pipe, Add	*16.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.67*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	97.22	21.70
		For Extra Heavy Pipe, Add	*27.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.63*	
		For Work In Restricted Working Space, Add	*9.75*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	137.34	28.92
		For Extra Heavy Pipe, Add	*39.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.17*	
		For Work In Restricted Working Space, Add	*13.00*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	189.40	34.69
		For Extra Heavy Pipe, Add	*57.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.60*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	71.43	24.18
		For Extra Heavy Fittings, Add	*12.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	116.98	30.41
		For Extra Heavy Fittings, Add	*25.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	155.83	40.43
		For Extra Heavy Fittings, Add	*33.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	239.20	52.60
		For Extra Heavy Fittings, Add	*56.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	459.18	67.76
		For Extra Heavy Fittings, Add	*125.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.47*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	624.49	83.36
		For Extra Heavy Fittings, Add	*174.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.50*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	953.19	116.34
		For Extra Heavy Fittings, Add	*272.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.72*	
		For Work In Restricted Working Space, Add	*52.33*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	1,749.06	162.01
		For Extra Heavy Fittings, Add	*527.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.14*	
		For Work In Restricted Working Space, Add	*72.86*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	62.14	24.18
		For Extra Heavy Fittings, Add	*9.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	101.38	30.41
		For Extra Heavy Fittings, Add	*19.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	138.29	40.43
		For Extra Heavy Fittings, Add	*27.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	201.35	44.72
		For Extra Heavy Fittings, Add	*47.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	242.54	52.60
		For Extra Heavy Fittings, Add	*57.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	391.93	67.76
		For Extra Heavy Fittings, Add	*101.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.47*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	567.12	83.36
		For Extra Heavy Fittings, Add	*154.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.50*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	931.80	116.34
		For Extra Heavy Fittings, Add	*265.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.72*	
		For Work In Restricted Working Space, Add	*52.33*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	56.85	24.09
		For Extra Heavy Fittings, Add	*7.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.85*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	82.05	27.12
		For Extra Heavy Fittings, Add	*14.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.21*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	116.25	36.13
		For Extra Heavy Fittings, Add	*21.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.71*	
		For Work In Restricted Working Space, Add	*16.25*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	143.22	39.93
		For Extra Heavy Fittings, Add	*29.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.99*	
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	172.20	47.83
		For Extra Heavy Fittings, Add	*35.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.59*	
		For Work In Restricted Working Space, Add	*21.53*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	342.79	62.39
		For Extra Heavy Fittings, Add	*87.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	499.18	75.72
		For Extra Heavy Fittings, Add	*134.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.05*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	654.04	89.37
		For Extra Heavy Fittings, Add	*182.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.70*	
		For Work In Restricted Working Space, Add	*40.20*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	1,637.18	140.96
		For Extra Heavy Fittings, Add	*499.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.57*	
		For Work In Restricted Working Space, Add	*63.39*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	52.74	24.18
		For Extra Heavy Fittings, Add	*5.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	79.63	30.41
		For Extra Heavy Fittings, Add	*11.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	112.34	40.43
		For Extra Heavy Fittings, Add	*18.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	140.14	49.97
		For Extra Heavy Fittings, Add	*22.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.75*	
		For Work In Restricted Working Space, Add	*22.47*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	161.27	55.72
		For Extra Heavy Fittings, Add	*27.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.18*	
		For Work In Restricted Working Space, Add	*25.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	306.44	74.74
		For Extra Heavy Fittings, Add	*68.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.60*	
		For Work In Restricted Working Space, Add	*33.62*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	423.79	92.21
		For Extra Heavy Fittings, Add	*99.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.91*	
		For Work In Restricted Working Space, Add	*41.49*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	673.26	119.60
		For Extra Heavy Fittings, Add	*172.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.96*	
		For Work In Restricted Working Space, Add	*53.78*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	1,255.78	140.96
		For Extra Heavy Fittings, Add	*365.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.57*	
		For Work In Restricted Working Space, Add	*63.39*	
22 13 16 00-0069		**Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	96.89	53.99
		For Extra Heavy Fittings, Add	*5.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	118.44	59.13
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	155.78	77.49
		For Extra Heavy Fittings, Add	*13.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	195.01	86.01
		For Extra Heavy Fittings, Add	*23.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.45*	
		For Work In Restricted Working Space, Add	*38.69*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	242.33	101.94
		For Extra Heavy Fittings, Add	*31.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.86*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	424.03	136.49
		For Extra Heavy Fittings, Add	*76.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.23*	
		For Work In Restricted Working Space, Add	*61.40*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	580.34	154.85
		For Extra Heavy Fittings, Add	*121.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.61*	
		For Work In Restricted Working Space, Add	*69.64*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	842.77	188.49
		For Extra Heavy Fittings, Add	*196.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.13*	
		For Work In Restricted Working Space, Add	*84.78*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	1,276.26	211.49
		For Extra Heavy Fittings, Add	*335.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.85*	
		For Work In Restricted Working Space, Add	*95.12*	
22 13 16 00-0079		**Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	141.80	56.43
		For Extra Heavy Fittings, Add	*20.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	173.02	69.74
		For Extra Heavy Fittings, Add	*23.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.23*	
		For Work In Restricted Working Space, Add	*31.38*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	190.55	71.51
		For Extra Heavy Fittings, Add	*29.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	275.70	91.35
		For Extra Heavy Fittings, Add	*48.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.84*	
		For Work In Restricted Working Space, Add	*41.07*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	282.59	93.02
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	296.52	99.23
		For Extra Heavy Fittings, Add	*51.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.44*	
		For Work In Restricted Working Space, Add	*44.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	421.99	109.77
		For Extra Heavy Fittings, Add	*90.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.23*	
		For Work In Restricted Working Space, Add	*49.36*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	440.01	111.87
		For Extra Heavy Fittings, Add	*95.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.31*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	451.63	117.16
		For Extra Heavy Fittings, Add	*96.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.78*	
		For Work In Restricted Working Space, Add	*52.70*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	530.54	130.32
		For Extra Heavy Fittings, Add	*117.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.77*	
		For Work In Restricted Working Space, Add	*58.63*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	639.50	122.12
		For Extra Heavy Fittings, Add	*159.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.15*	
		For Work In Restricted Working Space, Add	*54.93*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	665.42	127.48
		For Extra Heavy Fittings, Add	*165.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.56*	
		For Work In Restricted Working Space, Add	*57.35*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	728.52	140.96
		For Extra Heavy Fittings, Add	*181.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.57*	
		For Work In Restricted Working Space, Add	*63.39*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	949.22	149.50
		For Extra Heavy Fittings, Add	*253.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.24*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	975.33	149.50
		For Extra Heavy Fittings, Add	*262.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.24*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,017.55	162.01
		For Extra Heavy Fittings, Add	*271.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.14*	
		For Work In Restricted Working Space, Add	*72.86*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,187.20	170.04
		For Extra Heavy Fittings, Add	*326.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.74*	
		For Work In Restricted Working Space, Add	*76.47*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,431.12	175.08
		For Extra Heavy Fittings, Add	*409.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.13*	
		For Work In Restricted Working Space, Add	*78.75*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,319.02	165.09
		For Extra Heavy Fittings, Add	*725.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.38*	
		For Work In Restricted Working Space, Add	*74.25*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,422.70	178.66
		For Extra Heavy Fittings, Add	*754.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.40*	
		For Work In Restricted Working Space, Add	*80.37*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,473.89	186.37
		For Extra Heavy Fittings, Add	*768.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.97*	
		For Work In Restricted Working Space, Add	*83.83*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,532.24	192.72
		For Extra Heavy Fittings, Add	*785.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.44*	
		For Work In Restricted Working Space, Add	*86.66*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,598.66	203.93
		For Extra Heavy Fittings, Add	*802.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.29*	
		For Work In Restricted Working Space, Add	*91.72*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	103.69	53.99
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	122.63	59.13
		For Extra Heavy Fittings, Add	*11.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	163.08	77.49
		For Extra Heavy Fittings, Add	*16.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	220.26	90.23
		For Extra Heavy Fittings, Add	*29.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.76*	
		For Work In Restricted Working Space, Add	*40.57*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	275.42	111.91
		For Extra Heavy Fittings, Add	*37.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.39*	
		For Work In Restricted Working Space, Add	*50.33*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	482.44	146.98
		For Extra Heavy Fittings, Add	*91.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.02*	
		For Work In Restricted Working Space, Add	*66.10*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	688.77	192.72
		For Extra Heavy Fittings, Add	*139.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.44*	
		For Work In Restricted Working Space, Add	*86.66*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	919.41	247.72
		For Extra Heavy Fittings, Add	*191.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.57*	
		For Work In Restricted Working Space, Add	*111.42*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	110.11	56.43
		For Extra Heavy Fittings, Add	*8.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	151.41	69.74
		For Extra Heavy Fittings, Add	*16.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.23*	
		For Work In Restricted Working Space, Add	*31.38*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	162.03	71.51
		For Extra Heavy Fittings, Add	*19.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	234.80	91.35
		For Extra Heavy Fittings, Add	*34.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.84*	
		For Work In Restricted Working Space, Add	*41.07*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	243.76	93.02
		For Extra Heavy Fittings, Add	*36.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	258.63	99.23
		For Extra Heavy Fittings, Add	*38.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.44*	
		For Work In Restricted Working Space, Add	*44.64*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	346.02	109.77
		For Extra Heavy Fittings, Add	*63.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.23*	
		For Work In Restricted Working Space, Add	*49.36*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	357.15	117.16
		For Extra Heavy Fittings, Add	*63.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.78*	
		For Work In Restricted Working Space, Add	*52.70*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	444.56	130.32
		For Extra Heavy Fittings, Add	*87.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.77*	
		For Work In Restricted Working Space, Add	*58.63*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	159.60	64.60
		For Extra Heavy Fittings, Add	*21.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.84*	
		For Work In Restricted Working Space, Add	*29.04*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	227.50	81.45
		For Extra Heavy Fittings, Add	*36.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.10*	
		For Work In Restricted Working Space, Add	*36.62*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	305.85	103.01
		For Extra Heavy Fittings, Add	*52.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.72*	
		For Work In Restricted Working Space, Add	*46.35*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	570.61	156.62
		For Extra Heavy Fittings, Add	*117.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.74*	
		For Work In Restricted Working Space, Add	*70.45*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,093.88	184.51
		For Extra Heavy Fittings, Add	*286.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.83*	
		For Work In Restricted Working Space, Add	*82.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	1,435.49	206.45
		For Extra Heavy Fittings, Add	*394.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.48*	
		For Work In Restricted Working Space, Add	*92.85*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,034.27	247.72
		For Extra Heavy Fittings, Add	*232.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.57*	
		For Work In Restricted Working Space, Add	*111.42*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	2,753.27	259.99
		For Extra Heavy Fittings, Add	*827.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.50*	
		For Work In Restricted Working Space, Add	*117.00*	
22 13 16 00-0131		**Bell And Spigot Cast Iron Reducing Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	151.62	76.40
		For Extra Heavy Fittings, Add	*12.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.73*	
		For Work In Restricted Working Space, Add	*34.37*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	175.79	87.76
		For Extra Heavy Fittings, Add	*15.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.48*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	189.28	92.06
		For Extra Heavy Fittings, Add	*17.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.90*	
		For Work In Restricted Working Space, Add	*41.43*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	239.27	108.64
		For Extra Heavy Fittings, Add	*26.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.14*	
		For Work In Restricted Working Space, Add	*48.86*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	252.76	112.78
		For Extra Heavy Fittings, Add	*29.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.45*	
		For Work In Restricted Working Space, Add	*50.72*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	288.30	122.99
		For Extra Heavy Fittings, Add	*36.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.32*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	443.82	142.18
		For Extra Heavy Fittings, Add	*80.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.66*	
		For Work In Restricted Working Space, Add	*63.93*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	488.41	168.26
		For Extra Heavy Fittings, Add	*82.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.69*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	473.05	152.09
		For Extra Heavy Fittings, Add	*85.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.42*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	551.83	178.66
		For Extra Heavy Fittings, Add	*99.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.40*	
		For Work In Restricted Working Space, Add	*80.37*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	670.57	194.74
		For Extra Heavy Fittings, Add	*132.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.60*	
		For Work In Restricted Working Space, Add	*87.60*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	685.04	199.22
		For Extra Heavy Fittings, Add	*135.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.94*	
		For Work In Restricted Working Space, Add	*89.61*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	861.60	216.76
		For Extra Heavy Fittings, Add	*187.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.25*	
		For Work In Restricted Working Space, Add	*97.49*	
22 13 16 00-0145		**Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	137.10	64.60
		For Extra Heavy Fittings, Add	*14.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.84*	
		For Work In Restricted Working Space, Add	*29.04*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	184.44	86.41
		For Extra Heavy Fittings, Add	*19.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.48*	
		For Work In Restricted Working Space, Add	*38.87*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	239.18	108.06
		For Extra Heavy Fittings, Add	*27.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	501.79	175.04
		For Extra Heavy Fittings, Add	*83.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.12*	
		For Work In Restricted Working Space, Add	*78.74*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	179.83	77.49
		For Extra Heavy Fittings, Add	*22.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	211.83	87.76
		For Extra Heavy Fittings, Add	*28.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.48*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	237.50	97.71
		For Extra Heavy Fittings, Add	*31.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.32*	
		For Work In Restricted Working Space, Add	*43.93*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	451.29	130.56
		For Extra Heavy Fittings, Add	*89.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.79*	
		For Work In Restricted Working Space, Add	*58.73*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	112.46	54.08
		For Extra Heavy Fittings, Add	*10.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.32*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	127.00	59.13
		For Extra Heavy Fittings, Add	*13.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	195.91	72.43
		For Extra Heavy Fittings, Add	*30.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.43*	
		For Work In Restricted Working Space, Add	*32.60*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	274.65	79.55
		For Extra Heavy Fittings, Add	*54.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.97*	
		For Work In Restricted Working Space, Add	*35.80*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	329.46	95.42
		For Extra Heavy Fittings, Add	*65.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.92*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	677.77	124.72
		For Extra Heavy Fittings, Add	*171.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.35*	
		For Work In Restricted Working Space, Add	*56.10*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,005.37	152.09
		For Extra Heavy Fittings, Add	*272.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.42*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	1,482.13	178.66
		For Extra Heavy Fittings, Add	*424.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.40*	
		For Work In Restricted Working Space, Add	*80.37*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	144.78	56.43
		For Extra Heavy Fittings, Add	*21.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	171.15	66.12
		For Extra Heavy Fittings, Add	*25.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	178.09	66.12
		For Extra Heavy Fittings, Add	*27.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	266.44	91.35
		For Extra Heavy Fittings, Add	*45.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.84*	
		For Work In Restricted Working Space, Add	*41.07*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	276.64	93.02
		For Extra Heavy Fittings, Add	*48.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	299.49	99.23
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.44*	
		For Work In Restricted Working Space, Add	*44.64*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	490.96	117.16
		For Extra Heavy Fittings, Add	*110.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.78*	
		For Work In Restricted Working Space, Add	*52.70*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	610.18	130.32
		For Extra Heavy Fittings, Add	*145.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.77*	
		For Work In Restricted Working Space, Add	*58.63*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	99.33	53.99
		For Extra Heavy Fittings, Add	*6.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	120.59	59.13
		For Extra Heavy Fittings, Add	*11.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	159.41	77.49
		For Extra Heavy Fittings, Add	*15.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	199.77	90.23
		For Extra Heavy Fittings, Add	*22.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.76*	
		For Work In Restricted Working Space, Add	*40.57*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	250.90	111.91
		For Extra Heavy Fittings, Add	*29.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.39*	
		For Work In Restricted Working Space, Add	*50.33*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	413.83	146.98
		For Extra Heavy Fittings, Add	*67.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.02*	
		For Work In Restricted Working Space, Add	*66.10*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	101.48	53.99
		For Extra Heavy Fittings, Add	*7.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	111.83	59.13
		For Extra Heavy Fittings, Add	*8.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	144.70	77.49
		For Extra Heavy Fittings, Add	*9.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	102.84	53.99
		For Extra Heavy Fittings, Add	*7.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.30*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	114.40	59.13
		For Extra Heavy Fittings, Add	*9.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	151.18	77.49
		For Extra Heavy Fittings, Add	*12.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	57.13	30.41
		For Extra Heavy Fittings, Add	*4.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	72.30	40.10
		For Extra Heavy Fittings, Add	*4.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.05*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	76.36	40.43
		For Extra Heavy Fittings, Add	*5.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	95.36	48.30
		For Extra Heavy Fittings, Add	*8.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.62*	
		For Work In Restricted Working Space, Add	*21.74*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	99.16	48.94
		For Extra Heavy Fittings, Add	*9.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.67*	
		For Work In Restricted Working Space, Add	*22.03*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	102.13	49.97
		For Extra Heavy Fittings, Add	*9.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.75*	
		For Work In Restricted Working Space, Add	*22.47*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	127.48	51.50
		For Extra Heavy Fittings, Add	*17.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	145.69	63.29
		For Extra Heavy Fittings, Add	*17.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.74*	
		For Work In Restricted Working Space, Add	*28.47*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	149.51	64.91
		For Extra Heavy Fittings, Add	*18.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.87*	
		For Work In Restricted Working Space, Add	*29.21*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	154.67	67.76
		For Extra Heavy Fittings, Add	*18.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.47*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	190.04	76.04
		For Extra Heavy Fittings, Add	*26.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.21*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	200.26	79.86
		For Extra Heavy Fittings, Add	*28.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.99*	
		For Work In Restricted Working Space, Add	*35.94*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	212.74	83.36
		For Extra Heavy Fittings, Add	*30.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.50*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	259.51	90.35
		For Extra Heavy Fittings, Add	*43.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.77*	
		For Work In Restricted Working Space, Add	*40.62*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	291.25	105.70
		For Extra Heavy Fittings, Add	*46.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.93*	
		For Work In Restricted Working Space, Add	*47.56*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	317.21	120.40
		For Extra Heavy Fittings, Add	*47.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.03*	
		For Work In Restricted Working Space, Add	*54.17*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	349.96	138.69
		For Extra Heavy Fittings, Add	*49.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.40*	
		For Work In Restricted Working Space, Add	*62.38*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	441.87	138.69
		For Extra Heavy Fittings, Add	*81.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.40*	
		For Work In Restricted Working Space, Add	*62.38*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	470.87	149.50
		For Extra Heavy Fittings, Add	*86.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.24*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	491.03	157.61
		For Extra Heavy Fittings, Add	*89.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.91*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	518.19	168.26
		For Extra Heavy Fittings, Add	*93.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.69*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	56.05	24.18
		For Extra Heavy Fittings, Add	*6.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	74.38	30.41
		For Extra Heavy Fittings, Add	*10.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	101.02	40.43
		For Extra Heavy Fittings, Add	*14.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	153.67	44.72
		For Extra Heavy Fittings, Add	*30.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.35*	
		For Work In Restricted Working Space, Add	*20.11*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	203.65	52.60
		For Extra Heavy Fittings, Add	*43.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	434.69	67.76
		For Extra Heavy Fittings, Add	*116.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.47*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	484.90	83.36
		For Extra Heavy Fittings, Add	*125.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.25*	
		For Work In Restricted Working Space, Add	*37.50*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	63.58	24.18
		For Extra Heavy Fittings, Add	*9.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	89.19	30.41
		For Extra Heavy Fittings, Add	*15.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	128.55	40.43
		For Extra Heavy Fittings, Add	*23.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	205.08	49.97
		For Extra Heavy Fittings, Add	*45.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.75*	
		For Work In Restricted Working Space, Add	*22.47*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	218.62	55.72
		For Extra Heavy Fittings, Add	*47.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.18*	
		For Work In Restricted Working Space, Add	*25.07*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	147.89	58.37
		For Above Ground Cast Iron Pipe Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	196.78	76.73
		For Above Ground Cast Iron Pipe Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	259.60	86.80
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.37*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	494.35	98.36
		For Above Ground Cast Iron Pipe Installation, Add	*7.44*	
		For Work In Restricted Working Space, Add	*44.64*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	1,547.57	115.86
		For Above Ground Cast Iron Pipe Installation, Add	*8.78*	
		For Work In Restricted Working Space, Add	*52.70*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	1,676.86	129.26
		For Above Ground Cast Iron Pipe Installation, Add	*9.77*	
		For Work In Restricted Working Space, Add	*58.63*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	191.27	80.61
		For Above Ground Cast Iron Pipe Installation, Add	*6.10*	
		For Work In Restricted Working Space, Add	*36.62*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	258.29	101.75
		For Above Ground Cast Iron Pipe Installation, Add	*7.72*	
		For Work In Restricted Working Space, Add	*46.35*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	555.47	121.56
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.32*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	646.43	147.14
		For Above Ground Cast Iron Pipe Installation, Add	*11.15*	
		For Work In Restricted Working Space, Add	*66.89*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,672.48	140.47
		For Above Ground Cast Iron Pipe Installation, Add	*10.66*	
		For Work In Restricted Working Space, Add	*63.93*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,839.61	166.80
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	2,436.48	192.47
		For Above Ground Cast Iron Pipe Installation, Add	*14.60*	
		For Work In Restricted Working Space, Add	*87.60*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	3,356.49	222.54
		For Above Ground Cast Iron Pipe Installation, Add	*16.86*	
		For Work In Restricted Working Space, Add	*101.14*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	6,471.23	257.39
		For Above Ground Cast Iron Pipe Installation, Add	*19.51*	
		For Work In Restricted Working Space, Add	*117.04*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	106.92	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.84*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	145.32	
		For Above Ground Cast Iron Pipe Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.18*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	169.55	
		For Above Ground Cast Iron Pipe Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.31*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	208.46	
		For Above Ground Cast Iron Pipe Installation, Add	*3.16*	
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	253.06	
		For Above Ground Cast Iron Pipe Installation, Add	*3.82*	
		For Work In Restricted Working Space, Add	*22.90*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	468.14	
		For Above Ground Cast Iron Pipe Installation, Add	*4.82*	
		For Work In Restricted Working Space, Add	*28.94*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	10.07	
		For Above Ground Cast Iron Pipe Installation, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	10.98	
		For Above Ground Cast Iron Pipe Installation, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.29*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	13.72	
		For Above Ground Cast Iron Pipe Installation, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.12*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	16.47	
		For Above Ground Cast Iron Pipe Installation, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.94*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	21.96	
		For Above Ground Cast Iron Pipe Installation, Add	*1.10*	
		For Work In Restricted Working Space, Add	*6.59*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	25.62	
		For Above Ground Cast Iron Pipe Installation, Add	*1.28*	
		For Work In Restricted Working Space, Add	*7.69*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	30.20	
		For Above Ground Cast Iron Pipe Installation, Add	*1.51*	
		For Work In Restricted Working Space, Add	*9.06*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	34.77	
		For Above Ground Cast Iron Pipe Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.43*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	1.55
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	6.87
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	0.72
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	0.99
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	1.23
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	2.04
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	4.49
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	6.89
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	8.78
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	10.43

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	10.86	5.05
		For Below Ground Installation, Add	*0.38*	
		For Work In Restricted Working Space, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	11.58	5.39
		For Below Ground Installation, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.44*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	16.54	7.83
		For Below Ground Installation, Add	*0.59*	
		For Work In Restricted Working Space, Add	*3.53*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	21.48	10.20
		For Below Ground Installation, Add	*0.77*	
		For Work In Restricted Working Space, Add	*4.60*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	26.87	12.20
		For Below Ground Installation, Add	*0.91*	
		For Work In Restricted Working Space, Add	*5.49*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	30.55	13.31
		For Below Ground Installation, Add	*1.00*	
		For Work In Restricted Working Space, Add	*5.98*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	45.57	19.09
		For Below Ground Installation, Add	*1.43*	
		For Work In Restricted Working Space, Add	*8.57*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	60.69	21.70
		For Below Ground Installation, Add	*1.63*	
		For Work In Restricted Working Space, Add	*9.75*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	44.02	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	44.23	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	51.59	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	70.00	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	89.16	40.25
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.10*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	106.00	47.98
		For Below Ground Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.60*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	185.80	61.91
		For Below Ground Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.86*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	60.25	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	86.51	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	42.49	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	50.21	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	69.28	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	89.43	40.25
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.10*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	101.77	47.98
		For Below Ground Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.60*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	173.03	61.91
		For Below Ground Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.86*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	271.02	86.69
		For Below Ground Installation, Add	*6.50*	
		For Work In Restricted Working Space, Add	*39.00*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	39.53	22.91
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	41.29	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	48.27	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	64.99	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	84.10	40.25
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.10*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	98.36	47.98
		For Below Ground Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.60*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	163.08	61.91
		For Below Ground Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.86*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	38.43	22.91
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	39.98	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	46.98	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	62.09	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	97.91	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	152.40	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	218.44	86.41
		For Below Ground Installation, Add	*6.48*	
		For Work In Restricted Working Space, Add	*38.87*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	61.19	36.05
		For Below Ground Installation, Add	*2.70*	
		For Work In Restricted Working Space, Add	*16.20*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	80.52	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	90.16	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	121.43	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	152.39	78.35
		For Below Ground Installation, Add	*5.87*	
		For Work In Restricted Working Space, Add	*35.24*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	180.88	93.02
		For Below Ground Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	282.95	123.90
		For Below Ground Installation, Add	*9.29*	
		For Work In Restricted Working Space, Add	*55.71*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	416.90	137.63
		For Below Ground Installation, Add	*10.32*	
		For Work In Restricted Working Space, Add	*61.90*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	77.74	46.66
		For Below Ground Installation, Add	*3.50*	
		For Work In Restricted Working Space, Add	*20.97*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	88.05	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	98.70	59.13
		For Below Ground Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	111.96	65.70
		For Below Ground Installation, Add	*4.93*	
		For Work In Restricted Working Space, Add	*29.55*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	141.03	79.15
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.62*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	149.16	82.73
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.20*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	172.48	96.69
		For Below Ground Installation, Add	*7.25*	
		For Work In Restricted Working Space, Add	*43.48*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	201.73	97.42
		For Below Ground Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.82*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	229.24	107.08
		For Below Ground Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.14*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	316.66	114.07
		For Below Ground Installation, Add	*8.55*	
		For Work In Restricted Working Space, Add	*51.31*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	335.44	122.12
		For Below Ground Installation, Add	*9.15*	
		For Work In Restricted Working Space, Add	*54.93*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	378.44	130.40
		For Below Ground Installation, Add	*9.77*	
		For Work In Restricted Working Space, Add	*58.64*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	70.13	41.95
		For Below Ground Installation, Add	*3.14*	
		For Work In Restricted Working Space, Add	*18.86*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	80.81	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	92.37	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	127.69	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	218.38	108.06
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	349.37	138.64
		For Below Ground Installation, Add	*10.39*	
		For Work In Restricted Working Space, Add	*62.36*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	413.76	167.62
		For Below Ground Installation, Add	*12.56*	
		For Work In Restricted Working Space, Add	*75.38*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	81.17	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	89.16	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	100.91	59.13
		For Below Ground Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	114.11	65.70
		For Below Ground Installation, Add	*4.93*	
		For Work In Restricted Working Space, Add	*29.55*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	147.47	79.15
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.62*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	160.42	82.73
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.20*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	182.34	96.69
		For Below Ground Installation, Add	*7.25*	
		For Work In Restricted Working Space, Add	*43.48*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	220.16	97.42
		For Below Ground Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.82*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	271.35	107.08
		For Below Ground Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.14*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	101.20	60.73
		For Below Ground Installation, Add	*4.55*	
		For Work In Restricted Working Space, Add	*27.32*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	129.55	73.95
		For Below Ground Installation, Add	*5.54*	
		For Work In Restricted Working Space, Add	*33.25*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	159.72	80.86
		For Below Ground Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.36*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	242.10	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	416.09	157.61
		For Below Ground Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.91*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	116.93	67.30
		For Below Ground Installation, Add	*5.04*	
		For Work In Restricted Working Space, Add	*30.26*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	137.74	77.49
		For Below Ground Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.85*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	150.98	84.48
		For Below Ground Installation, Add	*6.33*	
		For Work In Restricted Working Space, Add	*38.00*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	208.81	103.38
		For Below Ground Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.50*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	127.18	72.94
		For Below Ground Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.82*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	148.75	80.86
		For Below Ground Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.36*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	213.06	107.06
		For Below Ground Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.13*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	309.17	165.26
		For Below Ground Installation, Add	*12.39*	
		For Work In Restricted Working Space, Add	*74.32*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	114.75	62.75
		For Below Ground Installation, Add	*4.71*	
		For Work In Restricted Working Space, Add	*28.23*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	133.17	72.94
		For Below Ground Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.82*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	154.04	79.68
		For Below Ground Installation, Add	*5.97*	
		For Work In Restricted Working Space, Add	*35.84*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	59.80	35.30
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.89*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	80.88	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	89.34	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	119.58	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	152.78	78.35
		For Below Ground Installation, Add	*5.87*	
		For Work In Restricted Working Space, Add	*35.24*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	180.61	93.02
		For Below Ground Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.85*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	305.81	123.90
		For Below Ground Installation, Add	*9.29*	
		For Work In Restricted Working Space, Add	*55.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0382	EA	2" x 1-1/2" No Hub Cast Iron Sanitary Tee	67.37	39.84
		For Below Ground Installation, Add	*2.99*	
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0383	EA	3" x 1-1/2" No Hub Cast Iron Sanitary Tee	78.38	46.66
		For Below Ground Installation, Add	*3.50*	
		For Work In Restricted Working Space, Add	*20.97*	

22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	81.72	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	90.46	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	109.97	66.12
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	112.10	66.12
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	136.84	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	139.80	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	140.16	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	145.65	77.56
		For Below Ground Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.87*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	246.11	104.48
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.99*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	43.50	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	50.28	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	63.74	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	42.17	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	51.25	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	72.22	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	115.09	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	156.35	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	207.45	106.71
		For Below Ground Installation, Add	*8.00*	
		For Work In Restricted Working Space, Add	*48.01*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	38.53	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	45.31	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	62.36	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	95.20	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	125.88	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0412		**No Hub Cast Iron Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	80.00	47.17
		For Below Ground Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.23*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	84.77	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	98.36	53.48
		For Below Ground Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.06*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	139.40	70.25
		For Below Ground Installation, Add	*5.26*	
		For Work In Restricted Working Space, Add	*31.59*	
22 13 16 00-0417		**No Hub Cast Iron Reducing Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	110.41	62.75
		For Below Ground Installation, Add	*4.70*	
		For Work In Restricted Working Space, Add	*28.23*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	119.92	64.60
		For Below Ground Installation, Add	*4.84*	
		For Work In Restricted Working Space, Add	*29.06*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	128.92	67.47
		For Below Ground Installation, Add	*5.05*	
		For Work In Restricted Working Space, Add	*30.33*	
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	77.11	48.85
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.97*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	105.00	66.12
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	105.18	66.12
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.73*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	120.25	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	121.45	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	121.92	74.44
		For Below Ground Installation, Add	*5.58*	
		For Work In Restricted Working Space, Add	*33.48*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	138.94	82.73
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.20*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	139.12	82.73
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.20*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	139.66	82.73
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.20*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	193.24	115.61
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	194.62	115.61
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	196.84	115.61
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	199.14	115.61
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	199.42	115.61
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	225.57	121.95
		For Below Ground Installation, Add	*9.14*	
		For Work In Restricted Working Space, Add	*54.84*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	238.85	127.31
		For Below Ground Installation, Add	*9.55*	
		For Work In Restricted Working Space, Add	*57.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	264.60	138.20
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.15*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	36.60	22.91
		For Below Ground Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	37.96	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	44.86	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	59.40	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	70.78	41.45
		For Below Ground Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	81.49	47.98
		For Below Ground Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.60*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	122.80	61.91
		For Below Ground Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.86*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	143.06	66.70
		For Below Ground Installation, Add	*5.00*	
		For Work In Restricted Working Space, Add	*30.00*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	43.68	23.92
		For Below Ground Installation, Add	*1.79*	
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	58.96	27.38
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	85.40	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	131.86	40.58
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.24*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	143.68	48.38
		For Below Ground Installation, Add	*3.63*	
		For Work In Restricted Working Space, Add	*21.76*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	64.25	30.41
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	90.46	40.43
		For Below Ground Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.18*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	127.93	53.40
		For Below Ground Installation, Add	*4.00*	
		For Work In Restricted Working Space, Add	*24.00*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	66.77	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	69.35	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	103.01	36.22
		For Below Ground Installation, Add	*2.72*	
		For Work In Restricted Working Space, Add	*16.30*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	52.27	30.41
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	54.35	30.41
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	5.21	
		For Medium Duty (Fernco MD-2000), Add	*0.68*	
		For Heavy Duty (Fernco HD-4000), Add	*1.41*	
22 13 16 00-0468	EA	2" No Hub Coupling	5.21	
		For Medium Duty (Fernco MD-2000), Add	*0.68*	
		For Heavy Duty (Fernco HD-4000), Add	*1.41*	
22 13 16 00-0469	EA	3" No Hub Coupling	6.19	
		For Medium Duty (Fernco MD-2000), Add	*0.80*	
		For Heavy Duty (Fernco HD-4000), Add	*1.67*	
22 13 16 00-0470	EA	4" No Hub Coupling	7.35	
		For Medium Duty (Fernco MD-2000), Add	*0.96*	
		For Heavy Duty (Fernco HD-4000), Add	*1.98*	
22 13 16 00-0471	EA	5" No Hub Coupling	16.99	
		For Medium Duty (Fernco MD-2000), Add	*2.21*	
		For Heavy Duty (Fernco HD-4000), Add	*4.59*	
22 13 16 00-0472	EA	6" No Hub Coupling	18.67	
		For Medium Duty (Fernco MD-2000), Add	*2.43*	
		For Heavy Duty (Fernco HD-4000), Add	*5.04*	
22 13 16 00-0473	EA	8" No Hub Coupling	35.17	
		For Medium Duty (Fernco MD-2000), Add	*4.57*	
		For Heavy Duty (Fernco HD-4000), Add	*9.50*	
22 13 16 00-0474	EA	10" No Hub Coupling	48.45	
		For Medium Duty (Fernco MD-2000), Add	*6.30*	
		For Heavy Duty (Fernco HD-4000), Add	*13.08*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	6.19	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	9.60	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	13.39	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	11.41	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	14.89
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	15.37
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	16.14
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	18.83
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	35.55
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	48.80
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.50
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	130.65

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	8.23	
		For Work In Restricted Working Space, Add	*2.47*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	10.06	
		For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	10.98	
		For Work In Restricted Working Space, Add	*3.29*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	13.72	
		For Work In Restricted Working Space, Add	*4.12*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	16.47	
		For Work In Restricted Working Space, Add	*4.94*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	21.96	
		For Work In Restricted Working Space, Add	*6.59*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	25.62	
		For Work In Restricted Working Space, Add	*7.69*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0413 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	12.68	3.96
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	15.09	4.42
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	19.40	5.45
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	42.22	7.56
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	58.43	8.52
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	113.04	9.78
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	161.53	15.17

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0019 for underground installation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0505		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	17.40	3.53
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*4.85*	
22 13 16 00-0507	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	19.28	4.21
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*5.36*	
22 13 16 00-0508	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	24.75	6.07
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*6.66*	
22 13 16 00-0509	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	27.87	6.57
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*7.40*	
22 13 16 00-0510	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	40.52	8.42
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*9.85*	
22 13 16 00-0511	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	54.16	11.20
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*12.48*	
22 13 16 00-0512	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	73.83	15.00
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*16.27*	
22 13 16 00-0513		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0514		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0513)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	5.78	3.53
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0516	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	7.00	4.21
		For Work In Restricted Working Space, Add	*1.89*	
22 13 16 00-0517	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.44	6.07
		For Work In Restricted Working Space, Add	*2.72*	
22 13 16 00-0518	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	11.77	6.57
		For Work In Restricted Working Space, Add	*2.95*	
22 13 16 00-0519	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	15.39	7.97
		For Work In Restricted Working Space, Add	*3.58*	
22 13 16 00-0520	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	21.85	10.60
		For Work In Restricted Working Space, Add	*4.79*	
22 13 16 00-0521	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	30.30	14.18
		For Work In Restricted Working Space, Add	*6.38*	
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0513)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	5.67	3.53
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.87	4.21
		For Work In Restricted Working Space, Add	*1.89*	
22 13 16 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	10.21	6.07
		For Work In Restricted Working Space, Add	*2.72*	
22 13 16 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.48	6.57
		For Work In Restricted Working Space, Add	*2.95*	
22 13 16 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	14.84	7.97
		For Work In Restricted Working Space, Add	*3.58*	
22 13 16 00-0528	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	20.47	10.60
		For Work In Restricted Working Space, Add	*4.79*	
22 13 16 00-0529	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	28.80	14.18
		For Work In Restricted Working Space, Add	*6.38*	
22 13 16 00-0530		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*		
22 13 16 00-0531		Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0530)*		
22 13 16 00-0532	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	21.78	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0533	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	27.87	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0534	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	39.07	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0535	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	48.16	28.05
		For Work In Restricted Working Space, Add	*12.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0536	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	91.54	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0537	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	136.72	49.11
		For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0538	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	181.34	65.45
		For Work In Restricted Working Space, Add	*29.48*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0530)*

22 13 16 00-0540	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	23.81	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0541	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	29.03	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0542	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	42.07	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0543	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	53.66	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0544	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	80.91	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0545	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	122.75	49.11
		For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0546	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	181.09	65.45
		For Work In Restricted Working Space, Add	*29.48*	

22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0548	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	21.95	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0549	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	27.85	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0550	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	38.82	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0551	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	46.93	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0552	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	88.43	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0553	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	129.48	49.11
		For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0554	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	160.06	65.45
		For Work In Restricted Working Space, Add	*29.48*	

22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	32.87	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0557	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	42.28	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0558	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	59.25	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0559	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	72.56	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0560	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	136.70	54.66
		For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0561	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	181.09	73.61
		For Work In Restricted Working Space, Add	*33.17*	

22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0563	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	36.86	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0564	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	40.70	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0565	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	39.33	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0566	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	50.52	31.16
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0567	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	53.29	33.10
		For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0568	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	57.71	35.03
		For Work In Restricted Working Space, Add	*15.80*	
22 13 16 00-0569	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	68.31	37.06
		For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0570	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	77.52	40.10
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0571	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.58	50.45
		For Work In Restricted Working Space, Add	*22.74*	
22 13 16 00-0572	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	278.46	63.08
		For Work In Restricted Working Space, Add	*28.43*	
22 13 16 00-0573	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	290.70	67.30
		For Work In Restricted Working Space, Add	*30.32*	

22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0530)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0575	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	46.00	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0576	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	59.61	35.88
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0577	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	88.41	48.26
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0578	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	109.93	56.10
		For Work In Restricted Working Space, Add	*25.27*	

22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0580	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	53.16	32.01
		For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0581	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	69.38	38.15
		For Work In Restricted Working Space, Add	*17.18*	
22 13 16 00-0582	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	77.52	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0583	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	100.63	45.99
		For Work In Restricted Working Space, Add	*20.72*	
22 13 16 00-0584	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	110.77	52.13
		For Work In Restricted Working Space, Add	*23.50*	

22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0530)*

22 13 16 00-0586	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	25.45	16.00
		For Work In Restricted Working Space, Add	*7.20*	
22 13 16 00-0587	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	33.24	19.03
		For Work In Restricted Working Space, Add	*8.59*	
22 13 16 00-0588	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	35.44	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0589	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	42.17	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0590	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	47.16	26.11
		For Work In Restricted Working Space, Add	*11.75*	
22 13 16 00-0591	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	85.85	30.32
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0592	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	80.85	32.26
		For Work In Restricted Working Space, Add	*14.53*	
22 13 16 00-0593	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	146.88	38.58
		For Work In Restricted Working Space, Add	*17.37*	
22 13 16 00-0594	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	137.42	42.78
		For Work In Restricted Working Space, Add	*19.27*	
22 13 16 00-0595	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	176.14	50.96
		For Work In Restricted Working Space, Add	*22.95*	
22 13 16 00-0596	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	160.73	57.28
		For Work In Restricted Working Space, Add	*25.79*	

22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0530)*

22 13 16 00-0598	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	34.11	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0599	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	43.88	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0600	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	71.49	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0601	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	104.06	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0602	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	154.40	54.66
		For Work In Restricted Working Space, Add	*24.64*	

22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0530)*

22 13 16 00-0604	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	46.96	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0605	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	42.56	26.11
		For Work In Restricted Working Space, Add	*11.75*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0530)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	34.17	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	43.03	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	60.21	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	74.13	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	130.81	54.66
		For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0612	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	169.90	73.61
		For Work In Restricted Working Space, Add	*33.17*	
22 13 16 00-0613	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	225.28	98.13
		For Work In Restricted Working Space, Add	*44.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0530)*

22 13 16 00-0615	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	39.14	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0616	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	42.05	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0617	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	53.93	31.16
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0618	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	54.24	33.10
		For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0619	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	64.06	35.03
		For Work In Restricted Working Space, Add	*15.80*	
22 13 16 00-0620	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	64.39	37.06
		For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0621	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	70.50	40.10
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0622	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	117.02	48.51
		For Work In Restricted Working Space, Add	*21.86*	
22 13 16 00-0623	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	132.28	50.45
		For Work In Restricted Working Space, Add	*22.74*	
22 13 16 00-0624	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	145.63	63.08
		For Work In Restricted Working Space, Add	*28.43*	
22 13 16 00-0625	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	167.64	67.30
		For Work In Restricted Working Space, Add	*30.32*	
22 13 16 00-0626	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	176.63	79.43
		For Work In Restricted Working Space, Add	*35.80*	
22 13 16 00-0627	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	199.99	83.64
		For Work In Restricted Working Space, Add	*37.69*	
22 13 16 00-0628	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	223.08	89.96
		For Work In Restricted Working Space, Add	*40.54*	

22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0530)*

22 13 16 00-0630	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	47.61	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0631	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	60.98	35.88
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0632	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	90.71	48.26
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0633	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	121.28	56.10
		For Work In Restricted Working Space, Add	*25.27*	
22 13 16 00-0634	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	193.42	72.94
		For Work In Restricted Working Space, Add	*32.85*	
22 13 16 00-0635	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	242.12	98.21
		For Work In Restricted Working Space, Add	*44.22*	
22 13 16 00-0636	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	347.43	130.89
		For Work In Restricted Working Space, Add	*58.96*	

22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0530)*

22 13 16 00-0638	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	54.47	32.01
		For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0639	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	73.32	38.15
		For Work In Restricted Working Space, Add	*17.18*	
22 13 16 00-0640	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	76.79	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0641	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	91.27	45.99
		For Work In Restricted Working Space, Add	*20.72*	
22 13 16 00-0642	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	107.67	52.13
		For Work In Restricted Working Space, Add	*23.50*	
22 13 16 00-0643	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	145.05	64.52
		For Work In Restricted Working Space, Add	*29.06*	
22 13 16 00-0644	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	171.92	77.16
		For Work In Restricted Working Space, Add	*34.74*	
22 13 16 00-0645	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	202.22	85.58
		For Work In Restricted Working Space, Add	*38.54*	
22 13 16 00-0646	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	217.74	93.49
		For Work In Restricted Working Space, Add	*42.11*	
22 13 16 00-0647	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	257.09	101.91
		For Work In Restricted Working Space, Add	*45.90*	
22 13 16 00-0648	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	299.45	114.55
		For Work In Restricted Working Space, Add	*51.59*	

22 13 16 00-0649 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0650	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	35.78	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0651	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	45.54	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0652	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	67.77	36.22
		For Work In Restricted Working Space, Add	*16.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0653		EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	91.09	42.11
			For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0654			**Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0530)*		
22 13 16 00-0655		EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	48.07	24.93
			For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0656		EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	65.15	31.16
			For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0657		EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	61.20	33.10
			For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0658		EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	81.17	37.06
			For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0659		EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	87.94	40.10
			For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0660			**Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends** *(22 13 16 00-0530)*		
22 13 16 00-0661		EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	48.86	28.05
			For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0662		EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	61.12	35.88
			For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0663		EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	84.97	48.26
			For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0664		EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	150.28	56.10
			For Work In Restricted Working Space, Add	*25.27*	
22 13 16 00-0665		EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	349.28	72.94
			For Work In Restricted Working Space, Add	*32.85*	
22 13 16 00-0666			**Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0530)*		
22 13 16 00-0667		EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	70.11	32.01
			For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0668		EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	100.62	42.11
			For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0669		EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	138.85	45.99
			For Work In Restricted Working Space, Add	*20.72*	
22 13 16 00-0670		EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	139.40	52.13
			For Work In Restricted Working Space, Add	*23.50*	
22 13 16 00-0671		EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	253.51	64.52
			For Work In Restricted Working Space, Add	*29.06*	
22 13 16 00-0672			**Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug** *(22 13 16 00-0530)*		
22 13 16 00-0673		EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	52.73	26.95
			For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0674		EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	77.83	36.22
			For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0675		EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	104.06	42.11
			For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0676		EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	200.92	54.66
			For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0677		EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	258.45	73.61
			For Work In Restricted Working Space, Add	*33.17*	
22 13 16 00-0678		EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	343.58	98.13
			For Work In Restricted Working Space, Add	*44.22*	
22 13 16 00-0679			**Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug** *(22 13 16 00-0530)*		
22 13 16 00-0680		EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	23.19	14.07
			For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0681		EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	30.38	17.95
			For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0682		EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	41.50	24.09
			For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0683		EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	54.52	28.05
			For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0684		EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	88.82	36.47
			For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0685		EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	156.77	49.11
			For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0686		EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	256.23	65.45
			For Work In Restricted Working Space, Add	*29.46*	
22 13 16 00-0687			**Polyvinyl Chloride (PVC) Couplings** *(22 13 16 00-0530)*		
22 13 16 00-0688		EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	21.69	14.07
			For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0689		EA	2" Polyvinyl Chloride (PVC) Couplings	27.66	17.95
			For Work In Restricted Working Space, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) Couplings	38.03	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) Couplings	45.09	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) Couplings	71.18	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) Couplings	121.16	49.11
		For Work In Restricted Working Space, Add	*22.11*	
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) Couplings	171.82	65.45
		For Work In Restricted Working Space, Add	*29.48*	

22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0530)*

22 13 16 00-0696	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	11.17	6.99
		For Work In Restricted Working Space, Add	*3.16*	
22 13 16 00-0697	EA	2" Polyvinyl Chloride (PVC) Male Adapters	15.05	9.01
		For Work In Restricted Working Space, Add	*4.04*	
22 13 16 00-0698	EA	3" Polyvinyl Chloride (PVC) Male Adapters	22.46	12.05
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0699	EA	4" Polyvinyl Chloride (PVC) Male Adapters	31.03	14.07
		For Work In Restricted Working Space, Add	*6.32*	

22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0701	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.18
22 13 16 00-0702	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.79
22 13 16 00-0703	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.65
22 13 16 00-0704	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.67
22 13 16 00-0705	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.67
22 13 16 00-0706	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.23
22 13 16 00-0707	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	27.18

22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0708)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0710	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.40	3.53
		For Work In Restricted Working Space, Add	*4.85*	
22 13 16 00-0711	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.28	4.21
		For Work In Restricted Working Space, Add	*5.36*	
22 13 16 00-0712	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.75	6.07
		For Work In Restricted Working Space, Add	*6.66*	
22 13 16 00-0713	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.87	6.57
		For Work In Restricted Working Space, Add	*7.40*	
22 13 16 00-0714	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	40.52	8.42
		For Work In Restricted Working Space, Add	*9.85*	

22 13 16 00-0715 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0708)*

Note: Excludes fittings or hangers.

22 13 16 00-0716	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.71	3.53
		For Work In Restricted Working Space, Add	*1.58*	
22 13 16 00-0717	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.92	4.21
		For Work In Restricted Working Space, Add	*1.89*	
22 13 16 00-0718	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.32	6.07
		For Work In Restricted Working Space, Add	*2.72*	
22 13 16 00-0719	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	11.62	6.57
		For Work In Restricted Working Space, Add	*2.95*	
22 13 16 00-0720	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	15.60	7.97
		For Work In Restricted Working Space, Add	*3.58*	

22 13 16 00-0721 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0708)*

22 13 16 00-0722 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0721)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0723	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	22.98	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0724	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	29.69	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0725	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	44.69	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0726	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	58.70	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0727	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	116.66	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0728		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0729	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	25.64	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0730	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	32.29	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0731	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	51.14	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0732	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	71.54	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0733		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0734	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	23.34	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0735	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	29.44	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0736	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	43.36	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0737	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	56.25	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0738	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	119.23	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0739		**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0740	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	34.86	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0741	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	45.35	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0742	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	66.87	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0743	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	87.28	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0744	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	212.77	54.66
		For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0745		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0746	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	39.75	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0747	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	44.81	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0748	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	42.20	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0749	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	56.33	31.16
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0750	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	59.37	33.10
		For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0751	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	87.39	35.03
		For Work In Restricted Working Space, Add	*15.80*	
22 13 16 00-0752	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	88.02	37.06
		For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0753	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	98.25	40.10
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0754	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	221.87	50.45
		For Work In Restricted Working Space, Add	*22.74*	
22 13 16 00-0755		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0756	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	52.06	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0757	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	68.43	35.88
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0758	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	113.21	48.26
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0759	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	149.58	56.10
		For Work In Restricted Working Space, Add	*25.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0760		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0761	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	59.29	32.01
		For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0762	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	78.06	38.15
		For Work In Restricted Working Space, Add	*17.18*	
22 13 16 00-0763	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	87.77	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0764	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	119.52	43.52
		For Work In Restricted Working Space, Add	*19.61*	
22 13 16 00-0765	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	129.78	49.34
		For Work In Restricted Working Space, Add	*22.24*	
22 13 16 00-0766		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0767	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	38.17	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0768	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	47.20	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0769	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	69.31	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0770	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	91.10	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0771	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	184.56	54.66
		For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0772		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0773	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	46.29	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0774	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	49.12	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0775	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	61.34	33.10
		For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0776	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	78.02	37.06
		For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0777	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	86.43	40.10
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0778	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	160.44	50.45
		For Work In Restricted Working Space, Add	*22.74*	
22 13 16 00-0779		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0780	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	56.13	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0781	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	71.95	35.88
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0782	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	119.06	48.26
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0783	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	178.70	56.10
		For Work In Restricted Working Space, Add	*25.27*	
22 13 16 00-0784		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0785	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	64.49	32.01
		For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0786	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	90.17	38.15
		For Work In Restricted Working Space, Add	*17.18*	
22 13 16 00-0787	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	97.80	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0788	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	125.70	45.99
		For Work In Restricted Working Space, Add	*20.72*	
22 13 16 00-0789	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	153.14	52.13
		For Work In Restricted Working Space, Add	*23.50*	
22 13 16 00-0790		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0721)*		
22 13 16 00-0791	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	42.11	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0792	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	54.12	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0793	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	76.88	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0794	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	104.06	39.85
		For Work In Restricted Working Space, Add	*17.94*	
22 13 16 00-0795		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0721)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0796	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	48.56	24.93
		For Work In Restricted Working Space, Add	*11.24*	
22 13 16 00-0797	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	73.00	31.16
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0798	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	66.10	33.10
		For Work In Restricted Working Space, Add	*14.91*	
22 13 16 00-0799	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	92.13	37.06
		For Work In Restricted Working Space, Add	*16.68*	
22 13 16 00-0800	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	99.79	40.10
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0801		Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*		
22 13 16 00-0802	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	78.69	35.88
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0803	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	129.58	48.26
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0804		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	67.95	32.01
		For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0806	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	119.36	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0807		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0721)*		
22 13 16 00-0808	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	43.97	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0809	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	55.97	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0810	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	81.03	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0811	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	113.09	42.11
		For Work In Restricted Working Space, Add	*18.95*	
22 13 16 00-0812		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0721)*		
22 13 16 00-0813	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	25.31	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0814	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	33.80	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0815	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	46.75	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0816	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	66.91	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0817	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	122.83	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0818		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0721)*		
22 13 16 00-0819	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	22.52	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0820	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	28.49	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0821	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	40.42	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0822	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	49.03	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0823	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	88.96	36.47
		For Work In Restricted Working Space, Add	*16.43*	
22 13 16 00-0824		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0721)*		
22 13 16 00-0825	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	27.71	16.00
		For Work In Restricted Working Space, Add	*7.20*	
22 13 16 00-0826	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	40.39	19.03
		For Work In Restricted Working Space, Add	*8.59*	
22 13 16 00-0827	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	41.44	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0828	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	53.99	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0829	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	59.53	26.11
		For Work In Restricted Working Space, Add	*11.75*	
22 13 16 00-0830		Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0721)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0831	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	38.77	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0832	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	52.07	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0833	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	107.67	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0834	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	172.45	42.11
		For Work In Restricted Working Space, Add	*18.95*	

22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0721)*

22 13 16 00-0836	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	52.15	28.05
		For Work In Restricted Working Space, Add	*12.63*	
22 13 16 00-0837	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	48.59	26.11
		For Work In Restricted Working Space, Add	*11.75*	

22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0721)*

22 13 16 00-0839	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	12.40	6.99
		For Work In Restricted Working Space, Add	*3.16*	
22 13 16 00-0840	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	16.79	9.01
		For Work In Restricted Working Space, Add	*4.04*	
22 13 16 00-0841	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	27.76	12.05
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0842	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	42.40	14.07
		For Work In Restricted Working Space, Add	*6.32*	

22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0721)*

22 13 16 00-0844	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	25.54	16.00
		For Work In Restricted Working Space, Add	*7.20*	
22 13 16 00-0845	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	36.96	19.03
		For Work In Restricted Working Space, Add	*8.59*	
22 13 16 00-0846	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	36.87	21.06
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0847	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	53.72	23.00
		For Work In Restricted Working Space, Add	*10.36*	
22 13 16 00-0848	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	50.29	26.11
		For Work In Restricted Working Space, Add	*11.75*	
22 13 16 00-0849	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	89.44	30.53
		For Work In Restricted Working Space, Add	*13.75*	

22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0721)*

22 13 16 00-0851	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	31.48	14.07
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0852	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	38.07	17.95
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0853	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	48.03	24.09
		For Work In Restricted Working Space, Add	*10.87*	
22 13 16 00-0854	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	54.62	28.05
		For Work In Restricted Working Space, Add	*12.63*	

22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0708)

Note: In place piping.

22 13 16 00-0856	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.18
22 13 16 00-0857	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.79
22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.65
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.67
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.67

22 13 16 00-0861 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(22 13 16 00-0861)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.

22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.74	3.66
		For Work In Restricted Working Space, Add	*2.20*	
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.91	3.89
		For Work In Restricted Working Space, Add	*2.33*	
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	11.49	4.11
		For Work In Restricted Working Space, Add	*2.47*	
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	13.08	4.35
		For Work In Restricted Working Space, Add	*2.61*	
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	14.64	4.58
		For Work In Restricted Working Space, Add	*2.75*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0868		EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	18.21	4.81
			For Work In Restricted Working Space, Add	*2.88*	
22 13 16 00-0869		EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	21.81	5.03
			For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0870		EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	29.04	5.49
			For Work In Restricted Working Space, Add	*3.29*	
22 13 16 00-0871		EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	37.92	6.41
			For Work In Restricted Working Space, Add	*3.84*	

22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings *(22 13 16 00-0861)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.

22 13 16 00-0873		EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	11.44	3.89
			For Work In Restricted Working Space, Add	*2.33*	
22 13 16 00-0874		EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	11.67	4.11
			For Work In Restricted Working Space, Add	*2.47*	
22 13 16 00-0875		EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	15.10	4.35
			For Work In Restricted Working Space, Add	*2.61*	
22 13 16 00-0876		EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	13.60	4.35
			For Work In Restricted Working Space, Add	*2.61*	
22 13 16 00-0877		EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	18.50	4.58
			For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0878		EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	17.74	4.58
			For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0879		EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.31	4.58
			For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0880		EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	23.38	4.81
			For Work In Restricted Working Space, Add	*2.88*	
22 13 16 00-0881		EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	21.20	4.81
			For Work In Restricted Working Space, Add	*2.88*	
22 13 16 00-0882		EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	28.79	5.03
			For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0883		EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	25.54	5.03
			For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0884		EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	26.44	5.03
			For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0885		EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	51.79	9.15
			For Work In Restricted Working Space, Add	*5.49*	
22 13 16 00-0886		EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	42.77	9.15
			For Work In Restricted Working Space, Add	*5.49*	
22 13 16 00-0887		EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	53.91	10.29
			For Work In Restricted Working Space, Add	*6.18*	

22 13 16 00-0888 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.

22 13 16 00-0889		EA	1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	40.47	24.71
22 13 16 00-0890		EA	2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	43.42	26.26
22 13 16 00-0891		EA	3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	50.30	30.11
22 13 16 00-0892		EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	66.36	39.81
22 13 16 00-0893		EA	5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	79.55	47.59
22 13 16 00-0894		EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	91.68	54.90
22 13 16 00-0895		EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	123.16	69.55

22 13 16 00-0896 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess *(22 13 16)*

Note: Josam 26450 Series.

22 13 16 00-0897		EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	58.22	18.95
22 13 16 00-0898		EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	62.43	21.06
22 13 16 00-0899		EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	89.59	27.38
22 13 16 00-0900		EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	104.55	31.58
22 13 16 00-0901		EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	120.95	35.80
22 13 16 00-0902		EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	184.52	40.01

22 13 16 00-0903 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess *(22 13 16)*

Note: Josam 26440 Series

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0904	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	101.04	18.95
22 13 16 00-0905	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	105.25	21.06
22 13 16 00-0906	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	127.33	27.38
22 13 16 00-0907	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	156.80	31.58
22 13 16 00-0908	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	207.32	35.80
22 13 16 00-0909	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	215.73	40.01
22 13 16 00-0910		Cast Iron Vandal Proof Hooded Vent Cap *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	177.24	18.95
22 13 16 00-0912	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	181.45	21.06
22 13 16 00-0913	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	211.51	27.38
22 13 16 00-0914	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	238.81	31.58
22 13 16 00-0915	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	277.72	35.80
22 13 16 00-0916	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	304.27	40.01

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top	289.56	90.55
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0003	EA	6" Round Top Floor Drain With 2" Outlet, Bronze Top	321.16	101.50
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0004	EA	6" Round Top Floor Drain With 3" Outlet, Bronze Top	333.11	112.28
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0005	EA	6" Round Top Floor Drain With 4" Outlet, Bronze Top	356.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0006	EA	9" Round Top Floor Drain With 2" Outlet, Cast Iron Top	306.46	101.50
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0007	EA	9" Round Top Floor Drain With 3" Outlet, Cast Iron Top	328.11	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0008	EA	9" Round Top Floor Drain With 4" Outlet, Cast Iron Top	351.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0009	EA	9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	409.46	101.50
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0010	EA	9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	431.11	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0011	EA	9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	454.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0012	EA	9" Round Top Floor Drain With 2" Outlet, Bronze Top	394.46	101.50
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0013	EA	9" Round Top Floor Drain With 3" Outlet, Bronze Top	415.99	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0014	EA	9" Round Top Floor Drain With 4" Outlet, Bronze Top	439.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 13 19 13-0015	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	418.36	101.41
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0016	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	439.99	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0017	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	463.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0018	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	572.36	101.41
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0019	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	593.99	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0020	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	617.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0021	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top	551.86	101.41
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0022	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top	573.49	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0023	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top	596.73	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	334.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	356.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	379.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	349.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	371.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	394.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	415.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	437.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	460.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	323.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	345.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	368.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	342.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	364.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	387.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	396.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	418.23	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	441.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	804.23	112.36
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	827.23	123.90
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	967.23	112.36
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	990.23	123.90
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	947.73	112.36
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	970.73	123.90
		For Galvanized Cast Iron Parts, Add	*212.00*	
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	419.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	441.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	464.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	497.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	519.23	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	542.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	515.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	537.23	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	560.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	654.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	676.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	699.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	403.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	425.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	448.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	469.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	491.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	514.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	487.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	509.73	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	532.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	601.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	623.23	112.36
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	646.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	388.64	90.55
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	410.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	431.99	112.28
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	455.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	522.86	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	544.49	112.28
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	567.73	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	503.36	101.41
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	524.99	112.28
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	548.23	123.90
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	674.56	90.55
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	696.36	101.41
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	717.99	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	741.23	123.90
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	765.20	135.86
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	734.36	101.41
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	756.23	112.36
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	779.23	123.90
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	803.20	135.86
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	508.86	101.41
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	530.73	112.36
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	553.73	123.90
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	577.70	135.86
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	695.36	101.41
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	717.23	112.36
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	740.23	123.90
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	764.20	135.86
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	31.15	9.15
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	34.19	9.15
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	73.25	18.30
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	90.76	18.30

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	390.56	90.55
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	412.36	101.41
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	433.99	112.28
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	175.07	61.06
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	187.70	67.38
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	175.07	61.06
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	187.70	67.38
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	175.07	61.06
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	187.70	67.38
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	175.07	61.06
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	187.70	67.38
22 13 19 13-0121	EA	1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	228.55	67.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0122		Floor Receptor *(22 13 19 13)*		
22 13 19 13-0123		9" Diameter Round Shallow Receptor *(22 13 19 13-0122)* Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	465.00	101.50
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	486.97	112.44
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	509.73	123.90
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)* Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	505.14	90.55
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	526.96	101.50
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	548.49	112.28
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	571.73	123.90
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	64.30	10.53
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	53.49	10.53
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	57.81	10.53
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	68.62	10.53
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	62.14	10.53
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	86.09	10.53
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	94.80	10.53
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	116.40	10.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	725.35	63.18
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,284.75*	
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	843.90	142.14
		For Flange And Clamp Device, Add	*354.92*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,355.58*	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,179.44	157.93
		For Flange And Clamp Device, Add	*365.45*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,479.85*	
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,417.51	173.72
		For Flange And Clamp Device, Add	*375.98*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,598.68*	
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	1,584.98	189.52
		For Flange And Clamp Device, Add	*416.91*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,662.80*	
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	1,941.58	221.10
		For Flange And Clamp Device, Add	*449.16*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,826.86*	
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	2,517.81	252.69
		For Flange And Clamp Device, Add	*511.18*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,943.89*	
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	4,861.08	284.27
		For Flange And Clamp Device, Add	*733.52*	
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	5,479.63	328.00
		For Flange And Clamp Device, Add	*826.67*	
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	6,802.41	524.80
		For Flange And Clamp Device, Add	*1,117.87*	
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	9,727.84	656.00
		For Flange And Clamp Device, Add	*1,334.62*	
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	11,355.32	787.20
		For Flange And Clamp Device, Add	*1,735.04*	
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	14,718.49	918.40
		For Flange And Clamp Device, Add	*2,060.27*	
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	18,994.12	1,049.60
		For Flange And Clamp Device, Add	*2,421.02*	
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	2,009.14	173.72
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	2,583.63	221.10
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	4,215.01	252.69
22 13 19 26-0021		Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,754.73	63.18
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,284.75*	
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,060.78	142.14
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,355.58*	
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,204.33	157.93
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,479.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,682.19	173.72
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,598.68*	
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,225.03	189.52
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,662.80*	
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,345.21	221.10
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,826.86*	
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	3,818.72	252.69
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,943.89*	

22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.

22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,462.73	221.10

22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*

Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.

22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 20 Greasestopper.	3,856.03	173.72
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,469.81	189.52

22 13 19 26-0035 Precast Concrete Grease Interceptor *(22 13 19 26)*

Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.

22 13 19 26-0036	EA	1,000 Gallon Pre-Cast Grease Interceptor	2,924.22	293.68
22 13 19 26-0037	EA	1,250 Gallon Pre-Cast Grease Interceptor	3,333.08	293.68
22 13 19 26-0038	EA	1,500 Gallon Pre-Cast Grease Interceptor	3,783.66	335.75
22 13 19 26-0039	EA	2,000 Gallon Pre-Cast Grease Interceptor	4,333.16	474.17
22 13 19 26-0040	EA	2,500 Gallon Pre-Cast Grease Interceptor	4,909.85	637.95
22 13 19 26-0041	EA	4,000 Gallon Pre-Cast Grease Interceptor	7,329.23	839.34
22 13 19 26-0042	EA	5,000 Gallon Pre-Cast Grease Interceptor	9,498.60	1,376.38

22 13 19 26-0043 Coated Steel Manual Oil Interceptor *(22 13 19 26)*

Note: Includes internal air relief, and flow control fitting.

22 13 19 26-0044	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,082.34	240.66
22 13 19 26-0045	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,769.13	285.95
22 13 19 26-0046	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,357.57	351.84
22 13 19 26-0047	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,646.65	381.12
22 13 19 26-0048	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,336.09	415.89
22 13 19 26-0049	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,631.26	457.53
22 13 19 26-0050	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,220.96	526.44
22 13 19 26-0051	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,148.65	647.73
22 13 19 26-0052	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	12,373.32	702.05
22 13 19 26-0053	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,182.77	842.29
22 13 19 26-0054	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	19,760.75	905.47
22 13 19 26-0055	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	24,830.07	1,079.82
22 13 19 26-0056	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,587.97	884.83
22 13 19 26-0057	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	35,054.81	1,052.86

22 13 19 33 Backwater Valves *(22 13 19)*

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*

22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	226.79	24.18
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	236.05	30.41
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	338.38	40.43
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	877.47	55.72
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,076.15	73.34
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	3,039.70	90.47
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	3,452.44	117.34

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	571.54	57.65
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	856.62	69.91
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,062.79	90.13
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,469.43	101.23
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,019.88	119.97

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,479.44	91.23
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,524.59	121.29
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,202.08	149.93
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,228.14	167.15
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	87.81	30.41
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	107.22	40.43
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	282.29	55.72
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	201.75	60.81
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	268.65	80.86
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	449.31	111.43
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	93.76	11.80
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	110.43	11.80
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		Sediment Bucket Solids Interceptors *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	700.94	119.27
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	701.76	119.27
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO)	969.67	119.27
		Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO)	969.67	119.27
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	1,030.32	119.27
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	294.03	40.81
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	299.25	43.46
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0010		Sediment Strainers *(22 13 23)*		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	124.30	55.75
22 13 29		**Sanitary Sewerage Pumps** *(22 13)*		
		Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		
22 13 29 13-0001		Vertical Non-Clog Sewage Pumps *(22 13 29 13)*		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,633.83	1,010.41
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,040.30	1,010.41
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,446.77	1,010.41
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,834.48	1,010.41
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,759.44	1,010.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,915.78	1,010.41
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	10,025.21	1,010.41
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	10,775.62	1,010.41
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	11,510.39	1,010.41
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,636.01	1,010.41
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	13,761.62	1,010.41
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	15,555.69	1,344.64
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,542.78	1,010.41
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,542.78	1,010.41
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,813.64	1,010.41
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,915.28	1,010.41
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	13,283.94	1,010.41
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	15,685.38	1,344.64
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	16,623.39	1,344.64
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	519.49	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	623.75	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	697.18	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	709.88	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	796.91	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	501.36	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	464.91	33.70
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	514.85	37.90
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	713.30	50.53
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,027.39	58.96
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,100.20	61.06
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,175.42	63.18
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,494.81	75.81
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	2,014.77	84.23
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	2,554.81	105.29
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,237.93	115.81
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
		Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0003	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	507.04	61.31
22 13 29 16-0004	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	657.47	61.31
22 13 29 16-0005	EA	1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	792.73	76.64
22 13 29 16-0006		Submersible Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0007	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	747.81	61.31
22 13 29 16-0008	EA	1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	915.62	76.64
22 13 29 16-0009	EA	1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,116.77	123.53
22 13 29 16-0010	EA	2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,232.28	150.98
22 13 29 16-0011		Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*		
22 13 29 16-0012	EA	1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,602.07	76.64
22 13 29 16-0013	EA	1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,775.98	122.55
22 13 29 16-0014	EA	2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,290.62	149.78
22 13 29 16-0015	EA	3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,664.53	181.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0016	EA	5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,105.14	213.33
22 13 29 16-0017	EA	7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,246.78	245.10

22 13 29 16-0018 Submersible Sewage Pumps Accessories *(22 13 29 16)*

22 13 29 16-0019	EA	Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, and single control float switches.	299.67	67.64
22 13 29 16-0020	EA	Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	693.07	90.19
22 13 29 16-0021	EA	Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	896.19	90.19
22 13 29 16-0022	EA	Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	1,002.15	112.73
22 13 29 16-0023	EA	High-water Alarm For Submersible Sewage Pump	229.82	45.09
22 13 29 16-0024	EA	Float Switch For Submersible Sewage Pump	87.16	22.55
22 13 29 16-0025	EA	Rail System With 2" Discharge For Submersible Sewage Pump	429.16	67.64

22 13 29 33 Sewerage Pump Basins And Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	104.46	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	134.12	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	298.60	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	417.30	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	535.99	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	622.89	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	182.65	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	352.80	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	620.00	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	827.69	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	951.40	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,005.00	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,177.12	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,365.31	

22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities *(22)*

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste And Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	10.82	4.80
		For Schedule 80, Add	*1.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*1.60*	
		For Work In Restricted Working Space, Add	*2.17*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	12.99	5.39
		For Schedule 80, Add	*2.52*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.16*	
		For Work In Restricted Working Space, Add	*2.44*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	20.54	7.83
		For Schedule 80, Add	*4.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*3.90*	
		For Work In Restricted Working Space, Add	*3.53*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	27.75	10.20
		For Schedule 80, Add	*6.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.53*	
		For Work In Restricted Working Space, Add	*4.60*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	44.87	15.00
		For Schedule 80, Add	*11.65*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*9.97*	
		For Work In Restricted Working Space, Add	*6.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0009		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	41.63	18.11
		For Work In Restricted Working Space, Add	*8.15*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	53.80	23.92
		For Work In Restricted Working Space, Add	*10.75*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	71.57	27.38
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	102.88	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	199.51	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0015		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	41.39	18.11
		For Work In Restricted Working Space, Add	*8.15*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	53.15	23.92
		For Work In Restricted Working Space, Add	*10.75*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	72.82	27.38
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	90.34	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	180.07	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	76.05	38.75
		For Work In Restricted Working Space, Add	*17.43*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	94.76	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	123.26	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	169.76	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	296.68	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	94.73	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	120.26	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	117.59	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	162.91	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	165.49	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	277.60	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	84.82	38.75
		For Work In Restricted Working Space, Add	*17.43*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	96.88	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	129.76	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	172.75	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	259.68	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	80.98	38.75
		For Work In Restricted Working Space, Add	*17.43*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	99.32	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	125.98	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	172.01	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	337.85	112.36
		For Work In Restricted Working Space, Add	*50.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0046		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	105.35	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	122.89	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	122.89	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	169.34	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	169.34	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	302.39	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	304.46	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	278.47	112.36
		For Work In Restricted Working Space, Add	*50.54*	
22 66 53 00-0055		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	100.78	48.43
		For Work In Restricted Working Space, Add	*21.79*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	125.30	61.06
		For Work In Restricted Working Space, Add	*27.47*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	167.76	66.88
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	232.67	87.76
		For Work In Restricted Working Space, Add	*39.48*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	411.57	140.41
		For Work In Restricted Working Space, Add	*63.17*	
22 66 53 00-0061		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	74.45	38.75
		For Work In Restricted Working Space, Add	*17.43*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	97.14	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	110.79	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	152.85	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	90.03	48.85
		For Work In Restricted Working Space, Add	*21.97*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	107.93	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	109.08	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	148.59	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	149.32	70.25
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0071		Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	87.90	44.98
		For Work In Restricted Working Space, Add	*20.21*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	116.89	59.13
		For Work In Restricted Working Space, Add	*26.60*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	175.86	80.28
		For Work In Restricted Working Space, Add	*36.10*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	246.45	102.17
		For Work In Restricted Working Space, Add	*45.94*	
22 66 53 00-0076		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	40.95	18.11
		For Work In Restricted Working Space, Add	*8.15*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	50.20	23.92
		For Work In Restricted Working Space, Add	*10.75*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	58.85	27.38
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.96	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	118.57	53.48
		For Work In Restricted Working Space, Add	*24.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0082		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	39.22	18.11
		For Work In Restricted Working Space, Add	*8.15*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	51.51	23.92
		For Work In Restricted Working Space, Add	*10.75*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	61.25	27.38
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	82.31	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0087		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	37.07	18.11
		For Work In Restricted Working Space, Add	*8.15*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	47.65	23.92
		For Work In Restricted Working Space, Add	*10.75*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	55.41	27.38
		For Work In Restricted Working Space, Add	*12.32*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	73.29	36.22
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	107.76	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 66 53 00-0093		Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
		Note: Acid resistant. ASTM A518.		
22 66 53 00-0094		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	63.92	7.50
22 66 53 00-0096	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	89.48	9.35
22 66 53 00-0097	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	120.97	10.78
22 66 53 00-0098	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	197.53	15.14
22 66 53 00-0099	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	345.87	20.23
22 66 53 00-0100	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	607.55	25.52
22 66 53 00-0101	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,078.90	34.37
22 66 53 00-0102	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,912.92	39.41
22 66 53 00-0103		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0093)*		
22 66 53 00-0104		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0103)*		
22 66 53 00-0105	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	269.12	63.85
22 66 53 00-0106	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	346.47	70.25
22 66 53 00-0107	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	550.65	84.06
22 66 53 00-0108	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	809.75	100.03
22 66 53 00-0109	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,832.96	162.57
22 66 53 00-0110		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0103)*		
22 66 53 00-0111	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	167.47	63.85
22 66 53 00-0112	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	212.93	70.25
22 66 53 00-0113	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	265.62	84.06
22 66 53 00-0114	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	652.28	100.03
22 66 53 00-0115	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,453.65	162.57
22 66 53 00-0116	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,190.04	202.55
22 66 53 00-0117	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,194.64	243.58
22 66 53 00-0118		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0103)*		
22 66 53 00-0119	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	167.47	63.85
22 66 53 00-0120	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	212.93	70.25
22 66 53 00-0121	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	265.62	84.06
22 66 53 00-0122	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	488.83	100.03
22 66 53 00-0123	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,242.36	162.57
22 66 53 00-0124	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,801.65	202.55
22 66 53 00-0125	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,537.17	243.58
22 66 53 00-0126		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0103)*		
22 66 53 00-0127	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	167.47	63.85
22 66 53 00-0128	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	212.93	70.25
22 66 53 00-0129	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	265.42	83.98
22 66 53 00-0130		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps *(22 66 53 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0131	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	219.29	63.85
22 66 53 00-0132	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	370.39	70.25
22 66 53 00-0133	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	417.11	84.06
22 66 53 00-0134		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees *(22 66 53 00-0103)*		
22 66 53 00-0135	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	238.93	95.51
22 66 53 00-0136	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	294.29	105.88
22 66 53 00-0137	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	400.85	126.43
22 66 53 00-0138	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	643.97	150.33
22 66 53 00-0139	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,882.80	244.06
22 66 53 00-0140	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,656.41	304.75
22 66 53 00-0141		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0103)*		
22 66 53 00-0142	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	225.00	91.56
22 66 53 00-0143	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	259.02	98.30
22 66 53 00-0144	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	286.10	101.75
22 66 53 00-0145	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	325.93	112.36
22 66 53 00-0146	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	347.24	115.90
22 66 53 00-0147	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	378.21	119.36
22 66 53 00-0148	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	464.45	130.09
22 66 53 00-0149	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	511.02	133.43
22 66 53 00-0150	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	568.05	139.57
22 66 53 00-0151		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees *(22 66 53 00-0103)*		
22 66 53 00-0152	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	266.78	95.51
22 66 53 00-0153	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	317.79	105.63
22 66 53 00-0154	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	426.74	126.43
22 66 53 00-0155		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees *(22 66 53 00-0103)*		
22 66 53 00-0156	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	252.88	91.56
22 66 53 00-0157	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	310.72	102.26
22 66 53 00-0158	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	371.65	116.24
22 66 53 00-0159	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	396.67	119.69
22 66 53 00-0160		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0103)*		
22 66 53 00-0161	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	237.10	95.68
22 66 53 00-0162	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	316.22	105.88
22 66 53 00-0163	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	400.70	126.34
22 66 53 00-0164	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	647.09	149.77
22 66 53 00-0165	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	2,332.90	243.82
22 66 53 00-0166		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes *(22 66 53 00-0103)*		
22 66 53 00-0167	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	240.92	91.56
22 66 53 00-0168	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	258.98	98.30
22 66 53 00-0169	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	273.03	102.34
22 66 53 00-0170	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	304.00	112.36
22 66 53 00-0171	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	315.55	116.06
22 66 53 00-0172	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	370.76	119.69
22 66 53 00-0173	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	486.31	130.24
22 66 53 00-0174	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	568.82	133.43
22 66 53 00-0175	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	593.96	139.57
22 66 53 00-0176	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,393.21	196.70
22 66 53 00-0177	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,500.61	203.20
22 66 53 00-0178	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,821.10	213.59
22 66 53 00-0179		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0103)*		
22 66 53 00-0180	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	274.70	95.51
22 66 53 00-0181	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	323.77	105.63
22 66 53 00-0182	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	466.60	126.43
22 66 53 00-0183	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	699.19	149.93
22 66 53 00-0184		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0103)*		
22 66 53 00-0185	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	232.95	91.56
22 66 53 00-0186	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	266.96	98.30
22 66 53 00-0187	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	292.78	102.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0188	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	317.95	112.36
22 66 53 00-0189	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	361.69	116.24
22 66 53 00-0190	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	404.60	119.61
22 66 53 00-0191	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	512.16	130.24
22 66 53 00-0192	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	626.69	133.51
22 66 53 00-0193	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	683.99	139.81
22 66 53 00-0194		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0103)*		
22 66 53 00-0195	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	145.95	60.14
22 66 53 00-0196	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	158.96	63.51
22 66 53 00-0197	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	175.98	66.88
22 66 53 00-0198	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	268.65	74.13
22 66 53 00-0199	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	281.69	77.58
22 66 53 00-0200	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	304.55	83.46
22 66 53 00-0201	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	387.85	89.84
22 66 53 00-0202	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	559.50	121.95
22 66 53 00-0203	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	596.93	132.27
22 66 53 00-0204		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0103)*		
22 66 53 00-0205	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	381.99	140.41
22 66 53 00-0206	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	485.64	140.41
22 66 53 00-0207	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	494.94	140.41
22 66 53 00-0208	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	568.00	186.12
22 66 53 00-0209		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0103)*		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	386.72	63.85
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	464.08	70.25
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	564.61	84.06
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,603.06	100.03
22 66 53 00-0214		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0103)*		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	205.34	63.85
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	254.78	70.25
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	345.35	84.06
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	440.66	100.03
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	835.17	139.57
22 66 53 00-0220		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	1.55	
22 66 53 00-0222	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	36.54	
22 66 53 00-0223		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0224		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0223)*		
22 66 53 00-0225	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	50.58	5.65
22 66 53 00-0226	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	57.50	6.23
22 66 53 00-0227	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	79.01	7.83
22 66 53 00-0228	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	99.30	9.10
22 66 53 00-0229		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0223)*		
22 66 53 00-0230		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0229)*		
22 66 53 00-0231	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	196.64	44.73
22 66 53 00-0232	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	213.34	50.53
22 66 53 00-0233	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	286.87	55.76
22 66 53 00-0234	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	346.25	67.38
22 66 53 00-0235		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0236	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	118.90	44.73
22 66 53 00-0237	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	140.80	50.03
22 66 53 00-0238	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	177.53	55.93
22 66 53 00-0239	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	229.88	66.88

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0240	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	136.63	47.25
22 66 53 00-0241		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0242	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	118.90	44.73
22 66 53 00-0243	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	140.80	50.03
22 66 53 00-0244	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	177.53	55.93
22 66 53 00-0245	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	229.88	66.88
22 66 53 00-0246		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0247	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	136.84	44.73
22 66 53 00-0248	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	168.70	50.03
22 66 53 00-0249	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	251.28	55.93
22 66 53 00-0250	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	283.70	66.88
22 66 53 00-0251		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0252	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	132.86	44.73
22 66 53 00-0253	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	156.74	50.03
22 66 53 00-0254	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	233.34	55.93
22 66 53 00-0255	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	265.76	66.88
22 66 53 00-0256		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0257	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	200.57	67.30
22 66 53 00-0258		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0229)*		
22 66 53 00-0259	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	168.68	67.30
22 66 53 00-0260	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	205.34	75.81
22 66 53 00-0261	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	264.19	84.48
22 66 53 00-0262	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	388.81	101.16
22 66 53 00-0263		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0229)*		
22 66 53 00-0264	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	193.10	72.94
22 66 53 00-0265	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	231.53	78.67
22 66 53 00-0266	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	245.65	81.45
22 66 53 00-0267	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	264.25	89.88
22 66 53 00-0268	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	288.05	92.40
22 66 53 00-0269	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	310.20	95.18
22 66 53 00-0270		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0271	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	169.01	67.55
22 66 53 00-0272	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	197.37	75.81
22 66 53 00-0273	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	256.22	84.48
22 66 53 00-0274	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	388.81	101.16
22 66 53 00-0275		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0276	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	187.68	73.36
22 66 53 00-0277	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	225.53	78.58
22 66 53 00-0278	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	236.07	81.70
22 66 53 00-0279	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	264.67	90.13
22 66 53 00-0280	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	288.81	92.91
22 66 53 00-0281	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	304.56	95.43
22 66 53 00-0282		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0283	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	248.50	89.96
22 66 53 00-0284	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	311.19	101.24
22 66 53 00-0285	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	391.16	112.03
22 66 53 00-0286	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	504.91	134.68
22 66 53 00-0287	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	272.43	95.26
22 66 53 00-0288	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	302.76	100.91
22 66 53 00-0289	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	355.02	106.46
22 66 53 00-0290	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	392.01	117.92
22 66 53 00-0291	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	464.77	123.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0292		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0229)*		
22 66 53 00-0293	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	272.34	89.96
22 66 53 00-0294	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	318.96	101.08
22 66 53 00-0295	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	443.94	112.61
22 66 53 00-0296	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	610.77	134.86
22 66 53 00-0297	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	292.31	95.26
22 66 53 00-0298	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	372.49	100.91
22 66 53 00-0299	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	392.83	106.46
22 66 53 00-0300	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	421.87	117.84
22 66 53 00-0301	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	525.91	123.39
22 66 53 00-0302		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0303	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	184.29	67.05
22 66 53 00-0304	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	213.31	75.81
22 66 53 00-0305	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	256.22	84.48
22 66 53 00-0306	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	410.73	101.16
22 66 53 00-0307		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0308	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	203.12	73.03
22 66 53 00-0309	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	225.86	78.84
22 66 53 00-0310	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	244.04	81.70
22 66 53 00-0311	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	322.48	90.13
22 66 53 00-0312	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	330.67	92.91
22 66 53 00-0313	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	366.35	95.43
22 66 53 00-0314		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0315	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	286.12	89.79
22 66 53 00-0316	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	354.77	100.99
22 66 53 00-0317	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	497.16	112.28
22 66 53 00-0318	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	597.23	135.11
22 66 53 00-0319		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0320	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	310.25	95.26
22 66 53 00-0321	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	366.49	100.83
22 66 53 00-0322	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	382.86	106.46
22 66 53 00-0323	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	425.86	117.84
22 66 53 00-0324	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	525.91	123.39
22 66 53 00-0325		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0229)*		
22 66 53 00-0326	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	137.34	47.76
22 66 53 00-0327	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	153.51	50.53
22 66 53 00-0328	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	180.09	58.96
22 66 53 00-0329	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	207.56	56.01
22 66 53 00-0330	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	219.73	58.80
22 66 53 00-0331	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	231.90	61.58
22 66 53 00-0332		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0229)*		
22 66 53 00-0333	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	124.74	39.33
22 66 53 00-0334	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	144.43	44.48
22 66 53 00-0335	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	169.14	50.37
22 66 53 00-0336	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	295.27	61.32
22 66 53 00-0337		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0229)*		
22 66 53 00-0338	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	57.47	22.40
22 66 53 00-0339	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	67.41	25.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0340	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	73.82	27.96
22 66 53 00-0341	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	94.01	33.43
22 66 53 00-0342		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps *(22 66 53 00-0229)*		
22 66 53 00-0343	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	216.18	44.48
22 66 53 00-0344	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	224.51	50.03
22 66 53 00-0345	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	275.20	55.93
22 66 53 00-0346	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	349.48	66.88
22 66 53 00-0347	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	294.91	47.85
22 66 53 00-0348	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	401.01	53.40
22 66 53 00-0349	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	483.03	58.96
22 66 53 00-0350	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	599.61	70.25
22 66 53 00-0351		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps *(22 66 53 00-0229)*		
22 66 53 00-0352	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	389.05	50.79
22 66 53 00-0353	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	604.47	56.18
22 66 53 00-0354	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	404.70	50.53
22 66 53 00-0355	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	604.47	56.18
22 66 53 00-0356		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps *(22 66 53 00-0229)*		
22 66 53 00-0357	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	362.84	50.53
22 66 53 00-0358	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	425.08	56.18
22 66 53 00-0359	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	416.66	50.53
22 66 53 00-0360	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	893.49	56.18
22 66 53 00-0361	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	540.69	56.18
22 66 53 00-0362		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends *(22 66 53 00-0229)*		
22 66 53 00-0363	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	161.06	44.98
22 66 53 00-0364	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	207.36	50.53
22 66 53 00-0365		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters *(22 66 53 00-0229)*		
22 66 53 00-0366	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	86.41	33.70
22 66 53 00-0367	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	148.43	36.55
22 66 53 00-0368	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	115.00	42.11
22 66 53 00-0369		Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter *(22 66 53 00-0229)*		
22 66 53 00-0370	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	155.62	47.93
22 66 53 00-0371	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	169.45	50.53
22 66 53 00-0372	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	187.61	53.32
22 66 53 00-0373	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	201.80	58.80
22 66 53 00-0374	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	187.65	53.40
22 66 53 00-0375	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	197.81	56.18
22 66 53 00-0376	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	213.96	61.58
22 66 53 00-0377	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	237.93	58.96
22 66 53 00-0378	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	292.66	70.25
22 66 53 00-0379		Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0229)*		
22 66 53 00-0380	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	47.84	
22 66 53 00-0381	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	55.81	
22 66 53 00-0382	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	59.80	
22 66 53 00-0383	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	65.78	
22 66 53 00-0384		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings *(22 66 53 00-0229)*		
22 66 53 00-0385	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	362.59	22.48
22 66 53 00-0386	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	138.44	11.20
22 66 53 00-0387	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	254.05	11.20
22 66 53 00-0388		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates *(22 66 53 00-0229)*		
22 66 53 00-0389	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,312.59	112.36
22 66 53 00-0390	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	1,612.01	118.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0391	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,057.32	11.20

END OF SECTION 22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.		296.82	
		For Up To 20, Add		*60.32*	
		For >20 To 50, Add		*48.26*	
		For >50 To 100, Add		*24.13*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.		383.30	
		For Up To 20, Add		*81.94*	
		For >20 To 50, Add		*65.55*	
		For >50 To 100, Add		*32.78*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.		573.56	
		For Up To 20, Add		*129.51*	
		For >20 To 50, Add		*103.60*	
		For >50 To 100, Add		*51.80*	
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) Note: 2mm thick, aluminum frame, twist cover.		294.35	
		For Up To 20, Add		*59.70*	
		For >20 To 50, Add		*47.76*	
		For >50 To 100, Add		*23.88*	
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.		295.88	
		For Up To 20, Add		*60.09*	
		For >20 To 50, Add		*48.07*	
		For >50 To 100, Add		*24.03*	
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.		376.26	
		For Up To 20, Add		*80.18*	
		For >20 To 50, Add		*64.14*	
		For >50 To 100, Add		*32.07*	
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.		557.92	
		For Up To 20, Add		*125.60*	
		For >20 To 50, Add		*100.48*	
		For >50 To 100, Add		*50.24*	
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		234.55	
		For Up To 20, Add		*44.75*	
		For >20 To 50, Add		*35.80*	
		For >50 To 100, Add		*17.90*	
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		327.95	
		For Up To 20, Add		*68.10*	
		For >20 To 50, Add		*54.48*	
		For >50 To 100, Add		*27.24*	
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		464.16	
		For Up To 20, Add		*102.16*	
		For >20 To 50, Add		*81.72*	
		For >50 To 100, Add		*40.86*	
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		423.74	
		For Up To 20, Add		*92.05*	
		For >20 To 50, Add		*73.64*	
		For >50 To 100, Add		*36.82*	
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		580.01	
		For Up To 20, Add		*131.12*	
		For >20 To 50, Add		*104.89*	
		For >50 To 100, Add		*52.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,057.28	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*250.44*	
		For >20 To 50, Add	*200.35*	
		For >50 To 100, Add	*100.17*	
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	485.85	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*107.58*	
		For >20 To 50, Add	*86.06*	
		For >50 To 100, Add	*43.03*	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	712.11	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*164.14*	
		For >20 To 50, Add	*131.31*	
		For >50 To 100, Add	*65.66*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	22.58
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	22.58
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	2.63

26 01 20 91-0005 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	18.79
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	18.79

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	2,511.99

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0126 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	43.38
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	56.56
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	85.32
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	18.92

26 01 50 51-0007 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0008	EA	100 Watt, Frosted, Interior Incandescent Lamp	4.91
		For Multiple Lamps In Fixture, Deduct	*-1.39*
26 01 50 51-0009	EA	150 Watt, Frosted, Interior Incandescent Lamp	6.42
		For Multiple Lamps In Fixture, Deduct	*-1.39*
26 01 50 51-0010	EA	200 Watt, Frosted, Interior Incandescent Lamp	8.10
		For Multiple Lamps In Fixture, Deduct	*-1.39*
26 01 50 51-0011	EA	300 Watt, PS25, Interior Incandescent Lamp	10.20
		For Multiple Lamps In Fixture, Deduct	*-1.39*
26 01 50 51-0012	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	7.37
		For Multiple Lamps In Fixture, Deduct	*-1.39*
26 01 50 51-0013	EA	75 Watt, R20, Interior Incandescent Lamp	12.09
		For Multiple Lamps In Fixture, Deduct	*-1.67*
26 01 50 51-0014	EA	75 Watt, PAR38, Exterior Incandescent Lamp	15.04
		For Multiple Lamps In Fixture, Deduct	*-1.67*
26 01 50 51-0015	EA	100 Watt, PAR38, Exterior Incandescent Lamp	13.87
		For Multiple Lamps In Fixture, Deduct	*-1.67*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0016	EA	150 Watt, PAR38, Exterior Incandescent Lamp	25.03	
		For Multiple Lamps In Fixture, Deduct	*-1.67*	
26 01 50 51-0017	EA	250 Watt, PAR38, Exterior Incandescent Lamp	52.92	
		For Multiple Lamps In Fixture, Deduct	*-1.95*	
26 01 50 51-0018	EA	300 Watt, PAR56, Exterior Incandescent Lamp	61.11	
		For Multiple Lamps In Fixture, Deduct	*-1.95*	

26 01 50 51-0019 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	Convert Exit Light Lamps To Red LED Lamps	84.30	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0021	EA	Fluorescent Lamp For Exit Light	24.24	
		For Multiple Lamps In Fixture, Deduct	*-5.56*	
26 01 50 51-0022	EA	Lamp Replacement For Emergency Lights On Exit Sign	35.15	
		For Multiple Lamps In Fixture, Deduct	*-2.78*	

26 01 50 51-0023 Fluorescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0024	EA	18", 15 Watt, T8 Fluorescent Lamp	8.32	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0025	EA	2', 17 Watt, T8 Fluorescent Lamp	9.68	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0026	EA	3', 25 Watt, T8 Fluorescent Lamp	11.08	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0027	EA	4', 32 Watt, T8 Fluorescent Lamp	10.14	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0028	EA	4', 30 Watt, T8 Fluorescent Lamp	13.42	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0029	EA	4', 28 Watt, T8 Fluorescent Lamp	11.99	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0030	EA	4', 25 Watt, T8 Fluorescent Lamp	11.94	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0031	EA	4', 44 Watt, T8HO Fluorescent Lamp	18.08	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0032	EA	8', 59 Watt, T8 Fluorescent Lamp	14.22	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0033	EA	18", 15 Watt, T12 Fluorescent Lamp	11.74	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0034	EA	2', 20 Watt, T12 Fluorescent Lamp	9.29	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0035	EA	3', 30 Watt, T12 Fluorescent Lamp	10.43	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0036	EA	4', 34 Watt, T12 Fluorescent Lamp	10.48	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0037	EA	4', 40 Watt, T12 Fluorescent Lamp	10.30	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0038	EA	8', 60 Watt, T12 Fluorescent Lamp	14.54	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0039	EA	8', 75 Watt, T12 Fluorescent Lamp	12.56	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0040	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	19.71	
26 01 50 51-0041	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	11.87	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0042	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	10.05	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0043	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	9.77	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0044	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	10.64	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0045	EA	6", 4 Watt, T5 Fluorescent Lamp	9.06	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0046	EA	9", 6 Watt, T5 Fluorescent Lamp	8.93	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0047	EA	12", 8 Watt, T5 Fluorescent Lamp	9.17	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0048	EA	21", 13 Watt, T5 Fluorescent Lamp	9.51	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0049	EA	24", 14 Watt, T5 Fluorescent Lamp	10.72	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0050	EA	34", 21 Watt, T5 Fluorescent Lamp	11.71	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0051	EA	46", 28 Watt, T5 Fluorescent Lamp	11.40	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0052	EA	46", 54 Watt T5HO Fluorescent Lamp	12.31	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0053	EA	46", 54 Watt T5 Fluorescent Lamp	13.43	
26 01 50 51-0054	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	16.91	
		For Multiple Lamps In Fixture, Deduct	*-2.78*	
26 01 50 51-0055	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	16.38	
		For Multiple Lamps In Fixture, Deduct	*-2.78*	
26 01 50 51-0056	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	14.40	
		For Multiple Lamps In Fixture, Deduct	*-1.39*	
26 01 50 51-0057	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	6.90	
		For Multiple Lamps In Fixture, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0058	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	7.52	
		For Multiple Lamps In Fixture, Deduct	*-1.39*	
26 01 50 51-0059	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	19.06	
26 01 50 51-0060	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	19.06	
26 01 50 51-0061	EA	32 Watt 2D (DoubleD) Fluorescent Lamp	33.91	
26 01 50 51-0062	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	12.93	

26 01 50 51-0063 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0064	EA	50 Watt, Pulse Start Metal Halide Lamp	27.59	
26 01 50 51-0065	EA	70 Watt, Pulse Start Metal Halide Lamp	27.59	
26 01 50 51-0066	EA	100 Watt, Pulse Start Metal Halide Lamp	31.38	
26 01 50 51-0067	EA	150 Watt, Pulse Start Metal Halide Lamp	34.24	
26 01 50 51-0068	EA	175 Watt, Probe Start Metal Halide Lamp	27.40	
26 01 50 51-0069	EA	175 Watt, Pulse Start Metal Halide Lamp	39.21	
26 01 50 51-0070	EA	250 Watt, Probe Start Metal Halide Lamp	26.90	
26 01 50 51-0071	EA	250 Watt, Pulse Start Metal Halide Lamp	29.78	
26 01 50 51-0072	EA	400 Watt, Probe Start Metal Halide Lamp	31.96	
26 01 50 51-0073	EA	400 Watt, Pulse Start Metal Halide Lamp	32.80	
26 01 50 51-0074	EA	1,000 Watt, Probe Start Metal Halide Lamp	33.74	
26 01 50 51-0075	EA	1,000 Watt, Pulse Start Metal Halide Lamp	48.26	
26 01 50 51-0076	EA	1,500 Watt, Probe Start Metal Halide Lamp	42.64	

26 01 50 51-0077 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0078	EA	35 Watt, High Pressure Sodium Lamp	24.68	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0079	EA	50 Watt, High Pressure Sodium Lamp	24.68	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0080	EA	70 Watt, High Pressure Sodium Lamp	25.16	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0081	EA	100 Watt, High Pressure Sodium Lamp	26.08	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0082	EA	150 Watt, High Pressure Sodium Lamp	25.16	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0083	EA	250 Watt, High Pressure Sodium Lamp	25.16	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0084	EA	400 Watt, High Pressure Sodium Lamp	23.80	
		For Enclosed And Gasket Light Fixtures, Add	*2.15*	
26 01 50 51-0085	EA	1,000 Watt, High Pressure Sodium Lamp	51.43	

26 01 50 51-0086 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0087	EA	35 Watt, Low Pressure Sodium Lamp	57.66	
26 01 50 51-0088	EA	55 Watt, Low Pressure Sodium Lamp	63.96	
26 01 50 51-0089	EA	70 Watt, Low Pressure Sodium Lamp	65.38	
26 01 50 51-0090	EA	90 Watt, Low Pressure Sodium Lamp	66.80	
26 01 50 51-0091	EA	135 Watt, Low Pressure Sodium Lamp	72.47	
26 01 50 51-0092	EA	180 Watt, Low Pressure Sodium Lamp	98.01	

26 01 50 51-0093 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0094	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	10.05	
26 01 50 51-0095	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	13.03	
26 01 50 51-0096	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	13.03	
26 01 50 51-0097	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	21.03	
26 01 50 51-0098	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	15.05	
26 01 50 51-0099	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	26.03	
26 01 50 51-0100	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	17.77	
26 01 50 51-0101	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	16.08	
26 01 50 51-0102	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	20.57	
26 01 50 51-0103	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.58	
26 01 50 51-0104	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	22.57	
26 01 50 51-0105	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.58	
26 01 50 51-0106	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	19.37	
26 01 50 51-0107	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	25.58	
26 01 50 51-0108	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	25.58	
26 01 50 51-0109	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.58	
26 01 50 51-0110	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.58	
26 01 50 51-0111	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	23.58	
26 01 50 51-0112	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	43.78	
26 01 50 51-0113	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	25.58	
26 01 50 51-0114	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.58	
26 01 50 51-0115	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	25.58	
26 01 50 51-0116	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	25.58	
26 01 50 51-0117	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	14.08	
26 01 50 51-0118	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	17.77	
26 01 50 51-0119	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	19.37	

26 01 50 51-0120 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0121	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	23.35	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0122	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	29.88	
		For Multiple Lamps In Fixture, Deduct	*-2.23*	
26 01 50 51-0123	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	25.55	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0124	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	27.45	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	
26 01 50 51-0125	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	29.90	
		For Multiple Lamps In Fixture, Deduct	*-2.50*	

26 01 50 51-0126 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift, 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0127	EA	Recycle 2' Length Linear Fluorescent Lamps	0.24	
26 01 50 51-0128	EA	Recycle 3' Length Linear Fluorescent Lamps	0.36	
26 01 50 51-0129	EA	Recycle 4' Length Linear Fluorescent Lamps	0.48	
26 01 50 51-0130	EA	Recycle 6' Length Linear Fluorescent Lamps	0.72	
26 01 50 51-0131	EA	Recycle 8' Length Linear Fluorescent Lamps	0.96	
26 01 50 51-0132	EA	Recycle Compact Fluorescent Lamps	0.43	
26 01 50 51-0133	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.43	
26 01 50 51-0134	EA	Recycle High Intensity Discharge (HID) Lamps	1.50	

26 01 50 52 Ballasts And Accessories *(26 01 50)*

26 01 50 52-0001 High Intensity Discharge (HID) Ballasts *(26 01 50 52)*

26 01 50 52-0002 Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0003)*

26 01 50 52-0005	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	103.09	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0006	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	105.47	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0007	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	105.47	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0008	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	94.77	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0009	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	94.77	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0010	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	144.10	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0011	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	144.10	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0012	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	184.10	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0013	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	204.50	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	

26 01 50 52-0014 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0003)*

26 01 50 52-0015	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	93.68	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0016	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	99.00	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0017	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	96.71	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0018	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	112.70	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0019	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	110.42	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0020	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	125.26	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0021	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	125.26	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0022	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	149.95	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0023	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	149.95	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0024	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	236.57	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 01 50 52-0025	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	236.57	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0026		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0003)*			
26 01 50 52-0027	EA	Single Mounting Bracket For Core And Coil Type		12.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.53*	
26 01 50 52-0028	EA	Double Mounting Bracket For Core And Coil Type		20.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.79*	
26 01 50 52-0029		F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0002)*			
26 01 50 52-0030		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0029)*			
26 01 50 52-0031	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		129.30	21.07
		For Pulse Start Ballast, Add		*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0032	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		135.90	21.07
		For Pulse Start Ballast, Add		*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0033	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		124.30	21.07
		For Pulse Start Ballast, Add		*9.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0034	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		143.37	21.07
		For Pulse Start Ballast, Add		*11.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0035	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		196.79	21.07
		For Pulse Start Ballast, Add		*16.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0036		High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0029)*			
26 01 50 52-0037	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		154.32	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0038	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast		164.61	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0039		Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0002)*			
26 01 50 52-0040		Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0039)*			
26 01 50 52-0041	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast		252.98	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0042		High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0039)*			
26 01 50 52-0043	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast		388.77	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.48*	
26 01 50 52-0044	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast		432.64	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.48*	
26 01 50 52-0045	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast		417.46	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.48*	
26 01 50 52-0046		Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0002)*			
26 01 50 52-0047		Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0046)*			
26 01 50 52-0048	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		310.13	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0049	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		351.21	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0050	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		462.00	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0051	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		459.61	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0052	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		641.95	22.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.35*	
26 01 50 52-0053	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		641.95	22.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.35*	
26 01 50 52-0054	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		443.31	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0055	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		520.52	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0056		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0046)*			
26 01 50 52-0057	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		573.62	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0058	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		546.41	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		700.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0060	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast		700.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	

26 01 50 52-0061 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0002)*

26 01 50 52-0062 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0061)*

26 01 50 52-0063	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		347.77	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0064	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		375.19	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0065	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		372.49	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0066	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		390.86	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0067	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		617.99	22.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.35*	
26 01 50 52-0068	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		758.26	22.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.35*	
26 01 50 52-0069	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		576.81	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0070	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		525.66	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	

26 01 50 52-0071 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0061)*

26 01 50 52-0072	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		447.26	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0073	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		481.85	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0074	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		716.66	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0075	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast		617.45	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	

26 01 50 52-0076 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*

26 01 50 52-0077 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0076)*

26 01 50 52-0078	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		142.45	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0079	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		142.45	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0080	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		159.79	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0081	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		402.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0082	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		402.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0083	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		402.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0084	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		402.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0085	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast		402.69	21.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	

26 01 50 52-0086 Owner Supplied Ballasts *(26 01 50 52)*

26 01 50 52-0087	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast		16.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.06*	
26 01 50 52-0088	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast		21.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.32*	
26 01 50 52-0089	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast		24.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.33*	
26 01 50 52-0090	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast		26.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.84*	
26 01 50 52-0091	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast		29.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.85*	
26 01 50 52-0092	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast		31.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.35*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement		103.46	
26 01 50 53-0002	EA	Visor For Fixtures		189.37	
26 01 50 53-0003	EA	Replace Globe On Pole		247.13	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures	88.02	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	27.76	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	29.32	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	36.07	
26 01 50 53-0008	EA	Replace Slide-On Lampholder	11.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder	11.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder	13.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	16.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in	13.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 01 50 53-0014	EA	Replace Exterior Light Globes	42.67	

26 05 Common Work Results For Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 00-0001 Wire And Cable *(26 05 13)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002 5 KV Cable *(26 05 13 00-0001)*

26 05 13 00-0003 Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,400.48	695.20
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,793.41	759.10
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,297.53	857.66
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,236.70	1,056.67
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,815.27	1,189.91
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,805.08	1,320.77
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,532.21	1,484.02
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,671.08	1,651.04
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,977.46	1,971.30
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,191.79	2,317.22
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	14,259.92	1,981.20
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	21,076.92	3,144.77

26 05 13 00-0016 Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

Note: Excludes excavation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,313.59
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,546.72
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,804.39
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,409.39
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,654.79
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,480.33
26 05 13 00-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,799.35
26 05 13 00-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,687.72
26 05 13 00-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,280.17
26 05 13 00-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,707.87

26 05 13 00-0027 Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*

Note: Installed on poles.

26 05 13 00-0028	MLF	#6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	1,809.95	438.37
26 05 13 00-0029	MLF	#4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,126.13	470.02
26 05 13 00-0030	MLF	#2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,709.13	594.38
26 05 13 00-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,483.77	721.56
26 05 13 00-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,057.62	847.05
26 05 13 00-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,038.69	968.69
26 05 13 00-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,764.07	1,123.95
26 05 13 00-0035	MLF	250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,244.75	1,414.01
26 05 13 00-0036	MLF	350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,732.22	1,789.16
26 05 13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,282.72	2,247.91

26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0002)*

26 05 13 00-0039	MLF	1/0 5 KV Non-Shielded, Single Copper Conductor	5,119.66	1,385.46
26 05 13 00-0040	MLF	3/0 5 KV Non-Shielded, Single Copper Conductor	6,378.55	1,425.28
26 05 13 00-0041	MLF	4/0 5 KV Non-Shielded, Single Copper Conductor	6,622.74	1,456.78
26 05 13 00-0042	MLF	350 MCM 5 KV Non-Shielded, Single Copper Conductor	7,743.71	1,512.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0043	MLF	500 MCM 5 KV Non-Shielded, Single Copper Conductor	10,586.47	1,584.96
26 05 13 00-0044	MLF	750 MCM 5 KV Non-Shielded, Single Copper Conductor	15,993.10	1,981.20
26 05 13 00-0045	MLF	1,000 MCM 5 KV Non-Shielded, Single Copper Conductor	18,748.12	2,641.64
26 05 13 00-0046		Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)*		
26 05 13 00-0047	MLF	#6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,519.74	695.20
26 05 13 00-0048	MLF	#4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,954.63	759.10
26 05 13 00-0049	MLF	#2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,505.14	857.66
26 05 13 00-0050	MLF	#1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,014.35	957.12
26 05 13 00-0051	MLF	#1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,523.82	1,056.67
26 05 13 00-0052	MLF	#2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,146.56	1,189.91
26 05 13 00-0053	MLF	#3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,255.63	1,320.77
26 05 13 00-0054	MLF	#4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,040.18	1,484.02
26 05 13 00-0055	MLF	250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,308.92	1,651.04
26 05 13 00-0056	MLF	350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,706.30	1,971.30
26 05 13 00-0057	MLF	500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	12,163.57	2,317.22
26 05 13 00-0058	MLF	750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	15,935.16	1,981.20
26 05 13 00-0059	MLF	1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	23,455.61	3,144.77
26 05 13 00-0060		Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)* Note: Excludes excavation.		
26 05 13 00-0061	MLF	#6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,432.85	
26 05 13 00-0062	MLF	#4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,707.95	
26 05 13 00-0063	MLF	#2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,012.00	
26 05 13 00-0064	MLF	#1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,354.63	
26 05 13 00-0065	MLF	#1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,696.51	
26 05 13 00-0066	MLF	#2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,986.08	
26 05 13 00-0067	MLF	#3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,930.88	
26 05 13 00-0068	MLF	#4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,307.32	
26 05 13 00-0069	MLF	250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,325.57	
26 05 13 00-0070	MLF	350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,009.01	
26 05 13 00-0071	MLF	500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,679.65	
26 05 13 00-0072		Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation *(26 05 13 00-0002)* Note: Installed on poles.		
26 05 13 00-0073	MLF	#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	1,929.21	438.37
26 05 13 00-0074	MLF	#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,287.35	470.02
26 05 13 00-0075	MLF	#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,916.74	594.38
26 05 13 00-0076	MLF	#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,342.65	657.50
26 05 13 00-0077	MLF	#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,770.89	721.56
26 05 13 00-0078	MLF	#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,388.91	847.05
26 05 13 00-0079	MLF	#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,489.24	968.69
26 05 13 00-0080	MLF	#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,272.04	1,123.95
26 05 13 00-0081	MLF	250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,882.60	1,414.01
26 05 13 00-0082	MLF	350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,461.06	1,789.16
26 05 13 00-0083	MLF	500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	12,254.50	2,247.91
26 05 13 00-0084		15 KV Cable *(26 05 13 00-0001)*		
26 05 13 00-0085		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0084)*		
26 05 13 00-0086		Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
26 05 13 00-0087	MLF	#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,988.87	1,385.46
26 05 13 00-0088	MLF	#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,299.14	1,385.46
26 05 13 00-0089	MLF	#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,417.49	1,385.46
26 05 13 00-0090	MLF	#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,803.03	1,385.46
26 05 13 00-0091	MLF	#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,168.97	1,385.46
26 05 13 00-0092	MLF	#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,934.91	1,446.18
26 05 13 00-0093	MLF	#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,078.67	1,446.18
26 05 13 00-0094	MLF	250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,028.41	1,512.36
26 05 13 00-0095	MLF	350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,959.99	1,547.82
26 05 13 00-0096	MLF	500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,906.31	1,743.47
26 05 13 00-0097		Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)* Note: Excludes excavation.		
26 05 13 00-0098	MLF	#1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,927.16	
26 05 13 00-0099	MLF	#1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,312.70	
26 05 13 00-0100	MLF	#2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,678.64	
26 05 13 00-0101	MLF	#3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,463.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0102	MLF	#4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,607.49	
26 05 13 00-0103	MLF	250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,639.55	
26 05 13 00-0104	MLF	350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,573.16	
26 05 13 00-0105	MLF	500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation	9,321.35	
26 05 13 00-0106		Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
		Note: Installed on poles.		
26 05 13 00-0107	MLF	#1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,592.94	626.22
26 05 13 00-0108	MLF	#1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,228.06	721.56
26 05 13 00-0109	MLF	#2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,922.45	847.05
26 05 13 00-0110	MLF	#3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,855.19	968.69
26 05 13 00-0111	MLF	#4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,405.31	1,123.95
26 05 13 00-0112	MLF	250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,672.46	1,308.43
26 05 13 00-0113	MLF	350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,081.29	1,524.65
26 05 13 00-0114	MLF	500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,183.50	1,771.03
26 05 13 00-0115		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0084)*		
26 05 13 00-0116		Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
26 05 13 00-0117	MLF	#4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,263.41	1,385.46
26 05 13 00-0118	MLF	#2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,629.53	1,385.46
26 05 13 00-0119	MLF	#1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,769.18	1,385.46
26 05 13 00-0120	MLF	#1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,224.12	1,385.46
26 05 13 00-0121	MLF	#2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,655.93	1,385.46
26 05 13 00-0122	MLF	#3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,532.43	1,446.18
26 05 13 00-0123	MLF	#4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,702.07	1,446.18
26 05 13 00-0124	MLF	250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,792.96	1,512.36
26 05 13 00-0125	MLF	350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,876.27	1,547.82
26 05 13 00-0126	MLF	500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,084.89	1,743.47
26 05 13 00-0127		Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
		Note: Excludes excavation.		
26 05 13 00-0128	MLF	#1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,278.85	
26 05 13 00-0129	MLF	#1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,733.79	
26 05 13 00-0130	MLF	#2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,165.59	
26 05 13 00-0131	MLF	#3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,061.25	
26 05 13 00-0132	MLF	#4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,230.88	
26 05 13 00-0133	MLF	250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,401.88	
26 05 13 00-0134	MLF	350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,483.23	
26 05 13 00-0135	MLF	500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,499.93	
26 05 13 00-0136		Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
		Note: Installed on poles.		
26 05 13 00-0137	MLF	#1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,944.63	626.22
26 05 13 00-0138	MLF	#1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,649.15	721.56
26 05 13 00-0139	MLF	#2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,409.40	847.05
26 05 13 00-0140	MLF	#3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,452.71	968.69
26 05 13 00-0141	MLF	#4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,028.70	1,123.95
26 05 13 00-0142	MLF	250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,437.01	1,308.43
26 05 13 00-0143	MLF	350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,997.57	1,524.65
26 05 13 00-0144	MLF	500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,362.08	1,771.03
26 05 13 00-0145		15 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0084)*		
26 05 13 00-0146	MLF	1/0 15 KV Non-Shielded, Single Copper Conductor	6,650.79	1,390.31
26 05 13 00-0147	MLF	3/0 15 KV Non-Shielded, Single Copper Conductor	8,345.60	1,456.78
26 05 13 00-0148	MLF	350 MCM 15 KV Non-Shielded, Single Copper Conductor	11,089.58	1,553.86
26 05 13 00-0149		Shielded, Armored Copper, 15 KV, 3 Conductor Cable *(26 05 13 00-0084)*		
		Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150		Galvanized Steel Interlocked Armor Cable *(26 05 13 00-0149)*		
26 05 13 00-0151	LF	#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	34.95	10.60
26 05 13 00-0152	LF	#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	40.67	11.29
26 05 13 00-0153		Aluminum Interlocked Armor Cable *(26 05 13 00-0149)*		
26 05 13 00-0154	LF	#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	34.95	10.60
26 05 13 00-0155	LF	#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	40.67	11.29

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0156		Type URD, 15 KV Primary Concentric UD Cable *(26 05 13 00-0084)*		
		Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157	MLF	#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,477.66	695.20
26 05 13 00-0158	MLF	#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,897.75	759.10
26 05 13 00-0159	MLF	#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,431.90	857.66
26 05 13 00-0160	MLF	#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,415.50	1,053.80
26 05 13 00-0161	MLF	#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,020.78	1,186.35
26 05 13 00-0162	MLF	#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,096.67	1,320.77
26 05 13 00-0163	MLF	#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,847.13	1,478.48
26 05 13 00-0164		15 KV URD Cable Copper Direct Burial *(26 05 13 00-0084)*		
26 05 13 00-0165	MLF	15 KV 3/C URD Cable Copper Direct Burial #6	9,916.57	
26 05 13 00-0166		35 KV And 70 KV Cable *(26 05 13 00-0001)*		
26 05 13 00-0167		35 KV, Shielded, Single Copper Conductor *(26 05 13 00-0166)*		
26 05 13 00-0168	MLF	3/0 35 KV Shielded, Single Copper Conductor	11,750.15	2,306.99
26 05 13 00-0169		70 KV, Shielded, Single Copper Conductor *(26 05 13 00-0166)*		
26 05 13 00-0170	MLF	350 MCM 70 KV Shielded, Single Copper Conductor	34,216.11	2,630.02
26 05 13 00-0171		Wire Connections *(26 05 13 00-0001)*		
26 05 13 00-0172		Medium Voltage Up To 5 KV *(26 05 13 00-0171)*		
26 05 13 00-0173		Shielded One Conductor Cable Splice *(26 05 13 00-0172)*		
26 05 13 00-0174	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	233.94	90.19
26 05 13 00-0175	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	282.45	90.19
26 05 13 00-0176	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	282.45	90.19
26 05 13 00-0177	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	309.28	108.22
26 05 13 00-0178	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	309.28	108.22
26 05 13 00-0179	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	309.28	108.22
26 05 13 00-0180	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	345.08	126.26
26 05 13 00-0181	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	345.08	126.26
26 05 13 00-0182	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	345.08	126.26
26 05 13 00-0183		Cable Termination Without Stress Cone *(26 05 13 00-0172)*		
26 05 13 00-0184	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	218.82	108.22
26 05 13 00-0185	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	258.79	126.26
26 05 13 00-0186		Cable Termination With Stress Cone *(26 05 13 00-0172)*		
26 05 13 00-0187	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	846.32	216.45
26 05 13 00-0188	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,168.60	297.61
26 05 13 00-0189		Connect To Pothead, Pothead Included *(26 05 13 00-0172)*		
26 05 13 00-0190	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	875.62	216.45
26 05 13 00-0191	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,097.71	248.01
26 05 13 00-0192		Two Conductor Pothead *(26 05 13 00-0172)*		
		Note: Includes 5 KV pothead.		
26 05 13 00-0193	EA	#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	777.72	297.61
26 05 13 00-0194	EA	250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,016.28	378.78
26 05 13 00-0195	EA	400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,414.11	429.46
26 05 13 00-0196	EA	750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,112.47	501.07
26 05 13 00-0197	EA	1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,723.93	751.51
26 05 13 00-0198		Three Conductor Pothead *(26 05 13 00-0172)*		
		Note: Includes 5 KV pothead.		
26 05 13 00-0199	EA	#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,405.20	432.89
26 05 13 00-0200	EA	250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,662.88	505.04
26 05 13 00-0201		Copper Cable Splice, Crimp Compression Connection *(26 05 13 00-0172)*		
		Note: For bare wire.		
26 05 13 00-0202	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	56.47	
26 05 13 00-0203	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	62.06	
26 05 13 00-0204	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	72.39	
26 05 13 00-0205	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	82.29	
26 05 13 00-0206	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	92.78	
26 05 13 00-0207	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	103.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0208	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	113.19	
26 05 13 00-0209	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	123.74	
26 05 13 00-0210	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	134.06	
26 05 13 00-0211	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	144.55	
26 05 13 00-0212	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	155.27	
26 05 13 00-0213	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	165.45	
26 05 13 00-0214	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	186.75	
26 05 13 00-0215	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	208.58	
26 05 13 00-0216		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 00-0172)*		
		Note: For bare wire.		
26 05 13 00-0217	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	57.52	
26 05 13 00-0218	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	62.64	
26 05 13 00-0219	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	84.20	
26 05 13 00-0220	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	97.63	
26 05 13 00-0221	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	107.60	
26 05 13 00-0222	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	117.56	
26 05 13 00-0223	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	128.81	
26 05 13 00-0224	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	139.43	
26 05 13 00-0225	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	149.79	
26 05 13 00-0226	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	160.39	
26 05 13 00-0227	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	170.83	
26 05 13 00-0228	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	194.45	
26 05 13 00-0229	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	218.19	
26 05 13 00-0230		**15 KV** *(26 05 13 00-0171)*		
26 05 13 00-0231		**Single Conductor Pothead On Racks** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0232	EA	#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks	955.07	378.78
26 05 13 00-0233	EA	250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks	1,209.20	468.96
26 05 13 00-0234		**Two Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0235	EA	#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks	1,430.72	577.18
26 05 13 00-0236	EA	250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks	1,708.96	685.40
26 05 13 00-0237		**Three Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0238	EA	#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks	1,839.67	748.53
26 05 13 00-0239	EA	250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks	2,294.86	937.92
26 05 13 00-0240		**Stress Relief Cone On Rack** *(26 05 13 00-0230)*		
26 05 13 00-0241	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	919.68	378.78
26 05 13 00-0242	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,169.41	468.96
26 05 13 00-0243		**Grounded, Shielded Cable Splice** *(26 05 13 00-0230)*		
26 05 13 00-0244	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	653.70	279.58
26 05 13 00-0245	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	840.00	360.74
26 05 13 00-0246	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	3,321.88	992.03
26 05 13 00-0247	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	4,081.03	1,082.22
26 05 13 00-0248		**Cable Termination** *(26 05 13 00-0230)*		
26 05 13 00-0249	EA	#2 To 3/0 AWG Cable Termination 15 KV	407.02	157.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.70*	
26 05 13 00-0250	EA	4/0 To 250 MCM Cable Termination 15 KV	517.62	202.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.75*	
26 05 13 00-0251	EA	350 To 500 MCM Cable Termination 15 KV	638.29	248.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.81*	
26 05 13 00-0252	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	249.29	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 05 13 00-0253		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0254	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	438.55	117.24
26 05 13 00-0255	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	495.49	129.58
26 05 13 00-0256	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	576.80	141.80
26 05 13 00-0257	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	723.53	163.38
26 05 13 00-0258		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0259	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	877.13	234.88
26 05 13 00-0260	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	991.08	259.15

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0261	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	1,143.08	278.34
26 05 13 00-0262	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,447.08	326.75
26 05 13 00-0263		35 KV *(26 05 13 00-0171)*		
26 05 13 00-0264		35 KV One Conductor Splice *(26 05 13 00-0263)*		
26 05 13 00-0265	EA	Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,626.69	
26 05 13 00-0266		Cable Termination *(26 05 13 00-0263)*		
26 05 13 00-0267	EA	#2 To 3/0 AWG Cable Termination 35 KV	326.85	108.31
26 05 13 00-0268	EA	3/0 AWG To 250 MCM Cable Termination 35 KV	461.66	163.42
26 05 13 00-0269	EA	350 To 500 MCM Cable Termination 35 KV	521.24	174.78
26 05 13 00-0270	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	263.54	90.19
26 05 13 00-0271		70 KV *(26 05 13 00-0171)*		
26 05 13 00-0272		Cable Splice *(26 05 13 00-0271)*		
26 05 13 00-0273	EA	Cable Splicing, 350 MCM 70 KV	5,969.67	
26 05 13 00-0274	EA	Cable Splicing, #2 To 4/0 70 KV	1,662.50	

26 05 19 Low-Voltage Electrical Power Conductors And Cables *(26 05)*

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.28	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.15	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.63	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.36	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	2.42	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	3.07	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	338.20	

26 05 19 16-0011 Wire and Cable *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 19 16-0012 600 Volt Wire *(26 05 19 16-0011)*

26 05 19 16-0013 Single Solid Conductor, Copper *(26 05 19 16-0012)*

26 05 19 16-0014	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	467.98	200.10
26 05 19 16-0015	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	578.41	235.39
26 05 19 16-0016	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	703.54	287.83
26 05 19 16-0017	MLF	#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	600.59	200.10
26 05 19 16-0018	MLF	#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	720.44	235.39
26 05 19 16-0019	MLF	#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	855.71	287.83
26 05 19 16-0020		Power Cable, Stranded Conductor, Copper *(26 05 19 16-0012)*		
26 05 19 16-0021		Power Cable, Stranded, Single Conductor, XHHW *(26 05 19 16-0020)*		
26 05 19 16-0022	MLF	#16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	490.98	164.90
26 05 19 16-0023	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	581.75	197.88
26 05 19 16-0024	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	707.66	230.86
26 05 19 16-0025	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	857.30	263.83
26 05 19 16-0026	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,128.15	329.79
26 05 19 16-0027	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,491.46	395.75
26 05 19 16-0028	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,010.97	494.69
26 05 19 16-0029	MLF	#3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,363.15	560.64
26 05 19 16-0030	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,773.75	626.60
26 05 19 16-0031	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	3,383.38	692.57
26 05 19 16-0032	MLF	1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	4,033.47	791.50
26 05 19 16-0033	MLF	2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	4,793.95	890.44
26 05 19 16-0034	MLF	3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	5,688.12	989.38
26 05 19 16-0035	MLF	4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	6,752.61	1,088.31
26 05 19 16-0036	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	7,178.36	1,187.25
26 05 19 16-0037	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	8,432.08	1,286.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0038	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	9,003.67	1,385.12
26 05 19 16-0039	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	10,028.44	1,484.06
26 05 19 16-0040	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	11,523.74	1,583.00
26 05 19 16-0041	MLF	600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	13,200.48	1,714.92
26 05 19 16-0042	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	19,611.37	1,912.80
26 05 19 16-0043	MLF	1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	27,363.80	2,242.59

26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW *(26 05 19 16-0020)*

26 05 19 16-0045	MLF	2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,163.50	395.66
26 05 19 16-0046	MLF	3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,415.46	461.79
26 05 19 16-0047	MLF	4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,749.95	560.64
26 05 19 16-0048	MLF	6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,046.99	609.87
26 05 19 16-0049	MLF	7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,192.30	643.01
26 05 19 16-0050	MLF	9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,555.70	708.88
26 05 19 16-0051	MLF	10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,934.21	738.89
26 05 19 16-0052	MLF	12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,064.73	807.99
26 05 19 16-0053	MLF	14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,362.84	857.63
26 05 19 16-0054	MLF	24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,810.44	1,088.40
26 05 19 16-0055	MLF	37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	7,261.24	1,615.98
26 05 19 16-0056	MLF	2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,415.52	461.79
26 05 19 16-0057	MLF	3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,793.29	560.64
26 05 19 16-0058	MLF	4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,171.06	659.59
26 05 19 16-0059	MLF	2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,878.85	593.38
26 05 19 16-0060	MLF	3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,405.44	724.88
26 05 19 16-0061	MLF	4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,099.80	923.58
26 05 19 16-0062	MLF	6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,155.42	1,187.66
26 05 19 16-0063	MLF	9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,572.20	1,517.12
26 05 19 16-0064	MLF	2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,297.53	676.08
26 05 19 16-0065	MLF	3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,889.77	791.50
26 05 19 16-0066	MLF	4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,729.35	1,005.87
26 05 19 16-0067	MLF	2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,900.56	758.52
26 05 19 16-0068	MLF	3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,856.02	939.91
26 05 19 16-0069	MLF	4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,906.37	1,159.22
26 05 19 16-0070	MLF	2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,849.14	920.28
26 05 19 16-0071	MLF	3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,954.30	1,052.62
26 05 19 16-0072	MLF	4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,380.82	1,313.56
26 05 19 16-0073	MLF	2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,216.87	1,120.97
26 05 19 16-0074	MLF	3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,755.55	1,253.54
26 05 19 16-0075	MLF	4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	8,951.35	1,648.96
26 05 19 16-0076	MLF	3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	8,912.72	1,582.76
26 05 19 16-0077	MLF	4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	11,552.63	1,977.93
26 05 19 16-0078	MLF	3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	10,452.22	1,715.25
26 05 19 16-0079	MLF	3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	12,648.35	1,977.93
26 05 19 16-0080	MLF	3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	15,412.91	2,307.55
26 05 19 16-0081	MLF	4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	20,275.85	2,966.89
26 05 19 16-0082	MLF	3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	18,696.96	2,640.57
26 05 19 16-0083	MLF	3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	20,047.81	2,966.89
26 05 19 16-0084	MLF	3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	24,867.32	3,297.92
26 05 19 16-0085	MLF	3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	31,760.15	3,624.58

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	623.20	
26 05 19 16-0088	MLF	#12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	731.18	
26 05 19 16-0089	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	888.07	
26 05 19 16-0090	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,149.08	
26 05 19 16-0091	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,534.79	
26 05 19 16-0092	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,991.98	
26 05 19 16-0093	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,780.28	
26 05 19 16-0094	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,360.75	
26 05 19 16-0095	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,056.99	
26 05 19 16-0096	MLF	#2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,838.51	
26 05 19 16-0097	MLF	#3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	5,737.97	
26 05 19 16-0098	MLF	#4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,448.85	
26 05 19 16-0099	MLF	250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,993.36	
26 05 19 16-0100	MLF	300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	8,220.00	
26 05 19 16-0101	MLF	350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	9,130.67	
26 05 19 16-0102	MLF	400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	10,176.90	
26 05 19 16-0103	MLF	500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	11,856.36	
26 05 19 16-0104	MLF	600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	13,865.66	
26 05 19 16-0105	MLF	750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	21,061.41	
26 05 19 16-0106	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	689.54	
26 05 19 16-0107	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	837.93	
26 05 19 16-0108	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,025.47	
26 05 19 16-0109	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,246.95	
26 05 19 16-0110	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,653.92	
26 05 19 16-0111	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,255.05	
26 05 19 16-0112	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,141.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0113	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,802.66	
26 05 19 16-0114	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,291.12	
26 05 19 16-0115	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,839.24	
26 05 19 16-0116	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,703.52	
26 05 19 16-0117	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,784.93	
26 05 19 16-0118	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,779.30	
26 05 19 16-0119	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,837.72	
26 05 19 16-0120	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,001.42	
26 05 19 16-0121	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,210.95	
26 05 19 16-0122	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,313.95	
26 05 19 16-0123	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	23,561.02	
26 05 19 16-0124	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	474.33	
26 05 19 16-0125	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	583.53	
26 05 19 16-0126	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	710.58	
26 05 19 16-0127	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	974.33	
26 05 19 16-0128	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,291.02	
26 05 19 16-0129	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,663.76	
26 05 19 16-0130	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,333.16	
26 05 19 16-0131	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,744.58	
26 05 19 16-0132	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,190.04	
26 05 19 16-0133	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,593.70	
26 05 19 16-0134	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,195.17	
26 05 19 16-0135	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,943.99	
26 05 19 16-0136	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,747.29	
26 05 19 16-0137	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,580.79	
26 05 19 16-0138	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,470.47	
26 05 19 16-0139	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,331.80	
26 05 19 16-0140	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,763.62	
26 05 19 16-0141	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	12,009.05	
26 05 19 16-0142	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	17,728.38	
26 05 19 16-0143	MLF	#2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,557.37	
26 05 19 16-0144	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,038.34	
26 05 19 16-0145	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,601.40	
26 05 19 16-0146	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,348.25	
26 05 19 16-0147	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,048.19	
26 05 19 16-0148	MLF	250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,604.80	
26 05 19 16-0149	MLF	350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,701.91	
26 05 19 16-0150	MLF	400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,620.52	
26 05 19 16-0151	MLF	500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,183.27	

26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)*

26 05 19 16-0153 ACTHH, Solid *(26 05 19 16-0152)*

26 05 19 16-0154	MLF	#8 AWG Cable - Type ACT, 1 Conductor, Solid	1,850.41	541.10
26 05 19 16-0155	MLF	#6 AWG Cable - Type ACT, 1 Conductor, Solid	2,130.31	613.25
26 05 19 16-0156	MLF	#4 AWG Cable - Type ACT, 1 Conductor, Solid	2,419.08	649.33
26 05 19 16-0157	MLF	#14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,711.59	901.84
26 05 19 16-0158	MLF	#12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,920.71	1,009.89
26 05 19 16-0159	MLF	#10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,641.22	1,118.92
26 05 19 16-0160	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,675.80	1,226.96
26 05 19 16-0161	MLF	#14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,250.31	1,009.89
26 05 19 16-0162	MLF	#12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,426.69	1,118.92
26 05 19 16-0163	MLF	#10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,322.41	1,263.13
26 05 19 16-0164	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,519.11	1,370.63
26 05 19 16-0165	MLF	#14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,845.50	1,118.92
26 05 19 16-0166	MLF	#12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,226.95	1,263.13
26 05 19 16-0167	MLF	#10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,307.67	1,406.97
26 05 19 16-0168	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,775.46	1,515.74

26 05 19 16-0169 ACTHH, Stranded *(26 05 19 16-0152)*

26 05 19 16-0170	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	4,857.02	1,299.47
26 05 19 16-0171	MLF	#6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	5,886.74	1,478.40
26 05 19 16-0172	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	5,700.02	1,442.96
26 05 19 16-0173	MLF	#6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	7,085.17	1,622.06
26 05 19 16-0174	MLF	#4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	8,882.23	1,803.69
26 05 19 16-0175	MLF	#3 AWG Cable - Type ACTHH, 3 Conductors, Stranded	10,181.04	1,982.08
26 05 19 16-0176	MLF	#2 AWG Cable - Type ACTHH, 3 Conductors, Stranded	11,629.90	2,162.72
26 05 19 16-0177	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Stranded	7,313.67	1,731.00
26 05 19 16-0178	MLF	#6 AWG Cable - Type ACTHH, 4 Conductors, Stranded	8,792.67	1,910.65
26 05 19 16-0179	MLF	#4 AWG Cable - Type ACTHH, 4 Conductors, Stranded	11,188.88	2,092.46
26 05 19 16-0180	MLF	#3 AWG Cable - Type ACTHH, 4 Conductors, Stranded	12,254.86	2,271.66
26 05 19 16-0181	MLF	#2 AWG Cable - Type ACTHH, 4 Conductors, Stranded	14,458.43	2,450.68

26 05 19 16-0182 HCFC, Solid *(26 05 19 16-0152)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0183	MLF	#14 AWG Cable - Type HCF, 2 Conductors, Solid	2,998.63	901.84
26 05 19 16-0184	MLF	#12 AWG Cable - Type HCF, 2 Conductors, Solid	3,291.91	1,013.31
26 05 19 16-0185	MLF	#10 AWG Cable - Type HCF, 2 Conductors, Solid	3,673.07	1,113.42
26 05 19 16-0186	MLF	#14 AWG Cable - Type HCF, 3 Conductors, Solid	3,608.23	1,013.31
26 05 19 16-0187	MLF	#12 AWG Cable - Type HCF, 3 Conductors, Solid	3,880.06	1,113.42
26 05 19 16-0188	MLF	#10 AWG Cable - Type HCF, 3 Conductors, Solid	5,012.28	1,270.25
26 05 19 16-0189	MLF	#14 AWG Cable - Type HCF, 4 Conductors, Solid	4,389.22	1,113.42
26 05 19 16-0190	MLF	#12 AWG Cable - Type HCF, 4 Conductors, Solid	4,813.72	1,270.25
26 05 19 16-0191	MLF	#10 AWG Cable - Type HCF, 4 Conductors, Solid	6,470.86	1,409.14

26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0152)*

26 05 19 16-0193	MLF	#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,673.31	901.84
26 05 19 16-0194	MLF	#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,988.65	1,013.31
26 05 19 16-0195	MLF	#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,544.92	1,113.42
26 05 19 16-0196	MLF	#8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,427.00	1,189.81
26 05 19 16-0197	MLF	#6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,411.99	1,261.32
26 05 19 16-0198	MLF	#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,074.78	1,013.31
26 05 19 16-0199	MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,455.60	1,113.42
26 05 19 16-0200	MLF	#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,325.51	1,270.25
26 05 19 16-0201	MLF	#8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,494.23	1,370.63
26 05 19 16-0202	MLF	#6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,368.99	1,478.40
26 05 19 16-0203	MLF	#4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	7,772.19	1,587.79
26 05 19 16-0204	MLF	#2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,807.10	1,695.20
26 05 19 16-0205	MLF	#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,537.11	1,113.42
26 05 19 16-0206	MLF	#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,049.73	1,270.25
26 05 19 16-0207	MLF	#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,890.17	1,409.14
26 05 19 16-0208	MLF	#8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	7,828.20	1,552.25
26 05 19 16-0209	MLF	#6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,461.91	1,660.84
26 05 19 16-0210	MLF	#4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	12,296.92	1,768.34
26 05 19 16-0211	MLF	#2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	15,704.01	1,874.94

26 05 19 16-0212 FPLP Solid TFN Red Armored Cable *(26 05 19 16-0152)*

Note: Color coded red.

26 05 19 16-0213	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,584.36	685.40
26 05 19 16-0214	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,943.16	793.62
26 05 19 16-0215	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,603.73	901.84
26 05 19 16-0216	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,120.19	1,010.07
26 05 19 16-0217	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,948.90	793.62
26 05 19 16-0218	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,465.89	901.84
26 05 19 16-0219	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,285.69	1,010.07
26 05 19 16-0220	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,858.54	1,118.29

26 05 19 16-0221 FPLP Solid THHN Red Armored Cable *(26 05 19 16-0152)*

Note: Color coded red.

26 05 19 16-0222	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,286.81	901.84
26 05 19 16-0223	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,021.51	1,010.07
26 05 19 16-0224	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,227.66	1,118.29
26 05 19 16-0225	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,022.93	1,226.51
26 05 19 16-0226	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,076.85	1,010.07
26 05 19 16-0227	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,924.32	1,118.29

26 05 19 16-0228 FPLP Twisted Shielded Pair Red Armored Cable *(26 05 19 16-0152)*

Note: Color coded red.

26 05 19 16-0229	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,772.32	685.40
26 05 19 16-0230	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,394.29	1,010.07
26 05 19 16-0231	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,382.77	793.62
26 05 19 16-0232	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,976.51	901.84
26 05 19 16-0233	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,455.82	1,118.29
26 05 19 16-0234	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,966.96	937.92
26 05 19 16-0235	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,859.19	1,082.22

26 05 19 16-0236 Armored Cable Connectors *(26 05 19 16-0152)*

26 05 19 16-0237	EA	3/4" Armored Cable Connector	5.34	1.97
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.49*	
26 05 19 16-0238	EA	1" Armored Cable Connector	6.29	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 19 16-0239	EA	1-1/4" Armored Cable Connector	8.94	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0240		600 Volt, Feeder Wire, Single Stranded Copper *(26 05 19 16-0012)*			
26 05 19 16-0241	MLF	#12 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		604.52	200.18
26 05 19 16-0242	MLF	#10 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		742.13	235.39
26 05 19 16-0243	MLF	#8 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		1,029.23	320.15
26 05 19 16-0244	MLF	#6 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		1,381.76	383.21
26 05 19 16-0245	MLF	#4 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		1,803.61	446.79
26 05 19 16-0246	MLF	#2 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		2,553.25	575.57
26 05 19 16-0247	MLF	#1 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		3,022.92	640.37
26 05 19 16-0248	MLF	#1/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		3,515.18	721.50
26 05 19 16-0249	MLF	#2/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		3,975.27	800.40
26 05 19 16-0250	MLF	#3/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		4,679.88	898.76
26 05 19 16-0251	MLF	#4/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		5,547.18	991.52
26 05 19 16-0252	MLF	250 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		6,481.84	1,089.96
26 05 19 16-0253	MLF	300 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		7,453.82	1,191.37
26 05 19 16-0254	MLF	350 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		8,495.26	1,280.66
26 05 19 16-0255	MLF	400 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		9,501.67	1,422.97
26 05 19 16-0256	MLF	500 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit		11,213.35	1,568.16
26 05 19 16-0257	MLF	#14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		635.86	132.16
		For EPR Insulation, Add		*21.18*	
		For Hypalon (CSPE) Jacket, Add		*49.41*	
26 05 19 16-0258	MLF	#12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		721.04	146.35
		For EPR Insulation, Add		*21.59*	
		For Hypalon (CSPE) Jacket, Add		*50.37*	
26 05 19 16-0259	MLF	#10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		869.70	182.95
		For EPR Insulation, Add		*31.52*	
		For Hypalon (CSPE) Jacket, Add		*73.54*	
26 05 19 16-0260	MLF	#8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		1,169.89	291.04
		For EPR Insulation, Add		*51.81*	
		For Hypalon (CSPE) Jacket, Add		*120.89*	
26 05 19 16-0261	MLF	#6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		1,569.81	349.24
		For EPR Insulation, Add		*87.06*	
		For Hypalon (CSPE) Jacket, Add		*203.15*	
26 05 19 16-0262	MLF	#4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		2,114.84	405.48
		For EPR Insulation, Add		*131.72*	
		For Hypalon (CSPE) Jacket, Add		*307.34*	
26 05 19 16-0263	MLF	#3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		2,410.78	464.10
		For EPR Insulation, Add		*151.38*	
		For Hypalon (CSPE) Jacket, Add		*353.21*	
26 05 19 16-0264	MLF	#2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		2,992.69	522.72
		For EPR Insulation, Add		*213.93*	
		For Hypalon (CSPE) Jacket, Add		*499.16*	
26 05 19 16-0265	MLF	#1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		3,658.41	582.16
		For EPR Insulation, Add		*289.05*	
		For Hypalon (CSPE) Jacket, Add		*674.45*	
26 05 19 16-0266	MLF	#1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		4,385.43	656.78
		For EPR Insulation, Add		*361.00*	
		For Hypalon (CSPE) Jacket, Add		*842.34*	
26 05 19 16-0267	MLF	#2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		5,251.37	728.35
		For EPR Insulation, Add		*453.79*	
		For Hypalon (CSPE) Jacket, Add		*1,058.84*	
26 05 19 16-0268	MLF	#3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		6,253.88	813.10
		For EPR Insulation, Add		*567.07*	
		For Hypalon (CSPE) Jacket, Add		*1,323.15*	
26 05 19 16-0269	MLF	#4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		7,038.03	904.04
		For EPR Insulation, Add		*647.59*	
		For Hypalon (CSPE) Jacket, Add		*1,511.03*	
26 05 19 16-0270	MLF	250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		7,511.53	991.52
		For EPR Insulation, Add		*681.51*	
		For Hypalon (CSPE) Jacket, Add		*1,590.19*	
26 05 19 16-0271	MLF	300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		8,796.29	1,089.96
		For EPR Insulation, Add		*837.12*	
		For Hypalon (CSPE) Jacket, Add		*1,953.29*	
26 05 19 16-0272	MLF	350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		9,783.35	1,155.51
		For EPR Insulation, Add		*948.08*	
		For Hypalon (CSPE) Jacket, Add		*2,212.19*	
26 05 19 16-0273	MLF	400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		10,921.56	1,291.47
		For EPR Insulation, Add		*1,081.71*	
		For Hypalon (CSPE) Jacket, Add		*2,523.99*	
26 05 19 16-0274	MLF	500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		12,413.58	1,436.32
		For EPR Insulation, Add		*1,268.41*	
		For Hypalon (CSPE) Jacket, Add		*2,959.62*	
26 05 19 16-0275	MLF	600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		14,453.09	1,494.37
		For EPR Insulation, Add		*1,524.87*	
		For Hypalon (CSPE) Jacket, Add		*3,558.03*	
26 05 19 16-0276	MLF	750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		22,935.98	1,552.33
		For EPR Insulation, Add		*2,723.10*	
		For Hypalon (CSPE) Jacket, Add		*6,353.90*	
26 05 19 16-0277	MLF	1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit		28,665.94	1,658.69
		For EPR Insulation, Add		*3,533.13*	
		For Hypalon (CSPE) Jacket, Add		*8,243.96*	
26 05 19 16-0278	MLF	#16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit		1,034.40	296.65
26 05 19 16-0279	MLF	#14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit		1,258.76	329.79
26 05 19 16-0280	MLF	#12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit		1,564.60	396.08
26 05 19 16-0281	MLF	#10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit		1,848.66	461.54

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0282	MLF	#8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,591.94	494.20
26 05 19 16-0283	MLF	#18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	372.74	164.90
26 05 19 16-0284	MLF	#16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	465.11	181.39
26 05 19 16-0285	MLF	#14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	474.33	132.24
26 05 19 16-0286	MLF	#12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	583.53	157.64
26 05 19 16-0287	MLF	#10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	710.60	198.29
26 05 19 16-0288	MLF	#8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	974.33	261.36
26 05 19 16-0289	MLF	#6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,291.02	315.62
26 05 19 16-0290	MLF	#4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,663.76	372.99
26 05 19 16-0291	MLF	#3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,973.60	422.22
26 05 19 16-0292	MLF	#2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,333.16	472.84
26 05 19 16-0293	MLF	#1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,744.58	533.60
26 05 19 16-0294	MLF	#1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,190.04	584.31
26 05 19 16-0295	MLF	#2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,593.70	645.73
26 05 19 16-0296	MLF	#3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,195.17	683.00
26 05 19 16-0297	MLF	#4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,943.99	768.41
26 05 19 16-0298	MLF	250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	5,747.29	817.47
26 05 19 16-0299	MLF	300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	6,580.79	925.81
26 05 19 16-0300	MLF	350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	7,470.48	1,024.58
26 05 19 16-0301	MLF	400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	8,331.81	1,052.62
26 05 19 16-0302	MLF	500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	9,763.62	1,113.62
26 05 19 16-0303	MLF	600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	11,926.61	1,310.51
26 05 19 16-0304	MLF	750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	17,728.37	1,552.33
26 05 19 16-0305	MLF	1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	21,165.29	1,874.21
26 05 19 16-0306	MLF	#16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,874.58	396.08
26 05 19 16-0307	MLF	#14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,092.45	461.54
26 05 19 16-0308	MLF	#12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,421.62	528.08
26 05 19 16-0309	MLF	#10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,109.05	593.38
26 05 19 16-0310	MLF	#8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,517.72	659.59
26 05 19 16-0311	MLF	#6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	4,438.72	724.88

26 05 19 16-0312 Non-Metallic Sheathed Cable *(26 05 19 16-0012)*

26 05 19 16-0313 Indoor Installation *(26 05 19 16-0312)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0314	MLF	#14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,814.61	626.52
		For Installation In Wood Stud Wall (Includes Drilling), Add	*234.94*	
26 05 19 16-0315	MLF	#14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,233.69	758.52
		For Installation In Wood Stud Wall (Includes Drilling), Add	*284.46*	
26 05 19 16-0316	MLF	#12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,010.57	712.35
		For Installation In Wood Stud Wall (Includes Drilling), Add	*253.53*	
26 05 19 16-0317	MLF	#12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,473.37	791.34
		For Installation In Wood Stud Wall (Includes Drilling), Add	*296.76*	
26 05 19 16-0318	MLF	#10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,508.75	791.75
		For Installation In Wood Stud Wall (Includes Drilling), Add	*296.91*	
26 05 19 16-0319	MLF	#10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,076.54	923.58
		For Installation In Wood Stud Wall (Includes Drilling), Add	*346.34*	
26 05 19 16-0320	MLF	#8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,197.28	948.15
		For Installation In Wood Stud Wall (Includes Drilling), Add	*337.62*	
26 05 19 16-0321	MLF	#8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,149.41	1,146.03
		For Installation In Wood Stud Wall (Includes Drilling), Add	*408.12*	
26 05 19 16-0322	MLF	#6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,846.19	1,080.07
		For Installation In Wood Stud Wall (Includes Drilling), Add	*383.38*	
26 05 19 16-0323	MLF	#6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,956.99	1,302.68
		For Installation In Wood Stud Wall (Includes Drilling), Add	*463.77*	
26 05 19 16-0324	MLF	#4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,425.73	1,434.60
		For Installation In Wood Stud Wall (Includes Drilling), Add	*510.15*	
26 05 19 16-0325	MLF	#2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	8,936.84	1,558.27
		For Installation In Wood Stud Wall (Includes Drilling), Add	*556.52*	

26 05 19 16-0326 Direct Burial Cable *(26 05 19 16-0312)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0327	MLF	#14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	1,861.53
26 05 19 16-0328	MLF	#14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,353.16
26 05 19 16-0329	MLF	#12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,342.54
26 05 19 16-0330	MLF	#12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,729.94
26 05 19 16-0331	MLF	#10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,551.75
26 05 19 16-0332	MLF	#10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,199.92
26 05 19 16-0333	MLF	#8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,323.37
26 05 19 16-0334	MLF	#8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,164.96
26 05 19 16-0335	MLF	#6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,206.64
26 05 19 16-0336	MLF	#6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,999.49

26 05 19 16-0337 SEU Cable Copper, 3 Conductor *(26 05 19 16-0312)*

26 05 19 16-0338	MLF	12-12-12 Cable SEU Copper	2,293.91	793.89
26 05 19 16-0339	MLF	10-10-10 Cable SEU Copper	2,807.41	901.84
26 05 19 16-0340	MLF	8-8-8 Cable SEU Copper	3,408.34	1,009.89
26 05 19 16-0341	MLF	6-6-8 Cable SEU Copper	4,012.73	1,082.67
26 05 19 16-0342	MLF	6-6-6 Cable SEU Copper	4,282.10	1,118.92

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0343	MLF	4-4-6 Cable SEU Copper	5,116.81	1,226.96
26 05 19 16-0344	MLF	4-4-4 Cable SEU Copper	5,469.01	1,263.13
26 05 19 16-0345	MLF	3-3-5 Cable SEU Copper	6,292.58	1,370.63
26 05 19 16-0346	MLF	3-3-3 Cable SEU Copper	6,674.15	1,442.96
26 05 19 16-0347	MLF	2-2-4 Cable SEU Copper	7,110.48	1,515.74
26 05 19 16-0348	MLF	2-2-2 Cable SEU Copper	7,577.56	1,587.79
26 05 19 16-0349	MLF	1-1-1 Cable SEU Copper	9,170.72	1,803.69
26 05 19 16-0350	MLF	1/0-1/0-1/0 Cable SEU Copper	10,820.85	2,022.12
26 05 19 16-0351	MLF	2/0-2/0-2/0 Cable SEU Copper	12,912.73	2,277.43
26 05 19 16-0352	MLF	3/0-3/0-3/0 Cable SEU Copper	15,381.32	2,533.29
26 05 19 16-0353	MLF	4/0-4/0-4/0 Cable SEU Copper	17,186.50	2,827.10
26 05 19 16-0354		SER Cable Copper, 4 Conductor *(26 05 19 16-0312)*		
26 05 19 16-0355	MLF	6-6-6-6 Cable SER Copper	5,951.38	1,299.47
26 05 19 16-0356	MLF	4-4-4-6 Cable SER Copper	7,412.61	1,406.97
26 05 19 16-0357	MLF	3-3-3-5 Cable SER Copper	8,640.80	1,587.79
26 05 19 16-0358	MLF	2-2-2-4 Cable SER Copper	9,967.40	1,731.00
26 05 19 16-0359	MLF	1-1-1-3 Cable SER Copper	12,017.37	1,982.08
26 05 19 16-0360	MLF	1/0-1/0-1/0-2 Cable SER Copper	15,043.88	2,271.66
26 05 19 16-0361	MLF	2/0-2/0-2/0-1 Cable SER Copper	17,712.40	2,450.68
26 05 19 16-0362	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	21,155.71	2,741.16
26 05 19 16-0363		Control Tray Cable, Low Voltage *(26 05 19 16-0011)*		
		Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0364	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	856.26	399.95
		For Installation On Exposed Surface, Deduct	*-133.32*	
26 05 19 16-0365	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	989.52	447.40
		For Installation On Exposed Surface, Deduct	*-149.13*	
26 05 19 16-0366	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,039.20	447.37
		For Installation On Exposed Surface, Deduct	*-149.13*	
26 05 19 16-0367	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,301.01	561.13
		For Installation On Exposed Surface, Deduct	*-187.04*	
26 05 19 16-0368	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,640.92	683.78
		For Installation On Exposed Surface, Deduct	*-227.93*	
26 05 19 16-0369	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,876.42	751.93
		For Installation On Exposed Surface, Deduct	*-250.64*	
26 05 19 16-0370	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,236.84	854.38
		For Installation On Exposed Surface, Deduct	*-284.79*	
26 05 19 16-0371	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	2,833.35	1,044.29
		For Installation On Exposed Surface, Deduct	*-348.10*	
26 05 19 16-0372	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,244.54	1,139.27
		For Installation On Exposed Surface, Deduct	*-379.75*	
26 05 19 16-0373	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	3,863.89	1,174.88
		For Installation On Exposed Surface, Deduct	*-391.63*	
26 05 19 16-0374	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	4,735.84	1,467.74
		For Installation On Exposed Surface, Deduct	*-489.25*	
26 05 19 16-0375	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	5,685.90	1,715.33
		For Installation On Exposed Surface, Deduct	*-571.78*	
26 05 19 16-0376	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	938.73	421.30
		For Installation On Exposed Surface, Deduct	*-140.33*	
26 05 19 16-0377	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,089.73	470.94
		For Installation On Exposed Surface, Deduct	*-156.98*	
26 05 19 16-0378	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,270.55	542.18
		For Installation On Exposed Surface, Deduct	*-180.73*	
26 05 19 16-0379	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,441.66	590.65
		For Installation On Exposed Surface, Deduct	*-196.88*	
26 05 19 16-0380	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	1,826.21	719.77
		For Installation On Exposed Surface, Deduct	*-239.92*	
26 05 19 16-0381	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,098.18	791.50
		For Installation On Exposed Surface, Deduct	*-263.83*	
26 05 19 16-0382	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,515.00	899.34
		For Installation On Exposed Surface, Deduct	*-299.78*	
26 05 19 16-0383	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,198.09	1,099.20
		For Installation On Exposed Surface, Deduct	*-366.40*	
26 05 19 16-0384	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	3,680.75	1,199.12
		For Installation On Exposed Surface, Deduct	*-399.71*	
26 05 19 16-0385	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,443.39	1,236.72
		For Installation On Exposed Surface, Deduct	*-412.24*	
26 05 19 16-0386	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	5,436.87	1,544.91
		For Installation On Exposed Surface, Deduct	*-514.97*	
26 05 19 16-0387	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	6,543.12	1,805.61
		For Installation On Exposed Surface, Deduct	*-601.87*	
26 05 19 16-0388	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,020.86	439.78
		For Installation On Exposed Surface, Deduct	*-146.59*	
26 05 19 16-0389	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,225.28	494.69
		For Installation On Exposed Surface, Deduct	*-164.90*	
26 05 19 16-0390	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,439.14	565.43
		For Installation On Exposed Surface, Deduct	*-188.48*	
26 05 19 16-0391	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,624.60	608.96
		For Installation On Exposed Surface, Deduct	*-202.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0392	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,175.56	746.48
		For Installation On Exposed Surface, Deduct	*-248.83*	
26 05 19 16-0393	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,514.70	824.48
		For Installation On Exposed Surface, Deduct	*-274.88*	
26 05 19 16-0394	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,102.84	920.12
		For Installation On Exposed Surface, Deduct	*-306.71*	
26 05 19 16-0395	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	3,706.14	1,099.04
		For Installation On Exposed Surface, Deduct	*-366.40*	
26 05 19 16-0396	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	6,373.03	1,277.12
		For Installation On Exposed Surface, Deduct	*-425.60*	
26 05 19 16-0397	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	5,582.57	1,493.14
		For Installation On Exposed Surface, Deduct	*-497.82*	
26 05 19 16-0398	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	6,501.59	1,668.58
		For Installation On Exposed Surface, Deduct	*-556.19*	
26 05 19 16-0399	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	7,844.00	1,950.05
		For Installation On Exposed Surface, Deduct	*-650.02*	
26 05 19 16-0400	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,196.98	470.94
		For Installation On Exposed Surface, Deduct	*-156.98*	
26 05 19 16-0401	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,438.32	521.07
		For Installation On Exposed Surface, Deduct	*-173.64*	
26 05 19 16-0402	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	1,755.70	599.57
		For Installation On Exposed Surface, Deduct	*-199.85*	
26 05 19 16-0403	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	1,995.00	638.15
		For Installation On Exposed Surface, Deduct	*-212.72*	
26 05 19 16-0404	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	2,645.43	760.83
		For Installation On Exposed Surface, Deduct	*-253.61*	
26 05 19 16-0405	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,271.43	899.34
		For Installation On Exposed Surface, Deduct	*-299.78*	
26 05 19 16-0406	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	3,994.16	1,014.61
		For Installation On Exposed Surface, Deduct	*-338.20*	
26 05 19 16-0407	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	4,762.50	1,164.00
		For Installation On Exposed Surface, Deduct	*-388.00*	
26 05 19 16-0408	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	5,642.33	1,319.34
		For Installation On Exposed Surface, Deduct	*-439.78*	
26 05 19 16-0409	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	7,255.25	1,541.94
		For Installation On Exposed Surface, Deduct	*-513.98*	
26 05 19 16-0410	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	8,398.48	1,802.15
		For Installation On Exposed Surface, Deduct	*-600.72*	
26 05 19 16-0411	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	10,171.79	2,106.38
		For Installation On Exposed Surface, Deduct	*-702.13*	
26 05 19 16-0412	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,439.78	494.69
		For Installation On Exposed Surface, Deduct	*-164.90*	
26 05 19 16-0413	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	1,812.47	542.51
		For Installation On Exposed Surface, Deduct	*-180.73*	
26 05 19 16-0414	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,216.05	618.36
		For Installation On Exposed Surface, Deduct	*-206.12*	
26 05 19 16-0415	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	2,585.69	670.79
		For Installation On Exposed Surface, Deduct	*-223.60*	
26 05 19 16-0416	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	3,514.49	841.96
		For Installation On Exposed Surface, Deduct	*-280.65*	
26 05 19 16-0417	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	4,178.62	942.38
		For Installation On Exposed Surface, Deduct	*-314.13*	
26 05 19 16-0418	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	4,869.01	1,099.20
		For Installation On Exposed Surface, Deduct	*-366.40*	
26 05 19 16-0419	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	5,764.26	1,257.00
		For Installation On Exposed Surface, Deduct	*-419.00*	
26 05 19 16-0420	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	6,850.98	1,424.70
		For Installation On Exposed Surface, Deduct	*-474.90*	
26 05 19 16-0421	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	8,866.15	1,665.12
		For Installation On Exposed Surface, Deduct	*-555.04*	
26 05 19 16-0422	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	10,256.87	1,946.11
		For Installation On Exposed Surface, Deduct	*-648.70*	
26 05 19 16-0423	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	12,451.28	2,275.07
		For Installation On Exposed Surface, Deduct	*-758.36*	

26 05 19 16-0424 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0425 ACSR Cable *(26 05 19 16-0424)*

26 05 19 16-0426	MLF	#4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,147.92	406.52
26 05 19 16-0427	MLF	#4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,205.84	422.12
26 05 19 16-0428	MLF	#2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	1,277.60	438.37
26 05 19 16-0429	MLF	#2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,336.03	454.24
26 05 19 16-0430	MLF	#1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable	1,436.85	469.64
26 05 19 16-0431	MLF	#2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable	1,653.20	532.39
26 05 19 16-0432	MLF	#3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable	1,880.85	593.73
26 05 19 16-0433	MLF	#4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable	2,125.12	655.91
26 05 19 16-0434	MLF	#1 Bare Aluminum Wire	1,613.62	569.22
26 05 19 16-0435	MLF	336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable	2,595.01	842.92
26 05 19 16-0436	MLF	477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable	2,963.19	966.90

26 05 19 16-0437 All Aluminum Conductors *(26 05 19 16-0424)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0438		MLF	795.0 ACSR Conductor Aluminum	21,893.84	7,924.83
26 05 19 16-0439			Single Conductor Installed On Poles *(26 05 19 16-0011)*		
26 05 19 16-0440			Bare Stranded Conductor *(26 05 19 16-0439)*		
26 05 19 16-0441		MLF	#12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	978.38	344.44
26 05 19 16-0442		MLF	#10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,118.48	375.43
26 05 19 16-0443		MLF	#8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,259.58	406.81
26 05 19 16-0444		MLF	#6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,483.72	438.37
26 05 19 16-0445		MLF	#4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,741.84	470.02
26 05 19 16-0446		MLF	#2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,386.42	563.76
26 05 19 16-0447		MLF	#1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,720.94	626.22
26 05 19 16-0448		MLF	#1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,078.33	687.56
26 05 19 16-0449		MLF	#2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,022.93	815.49
26 05 19 16-0450		MLF	#3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,830.38	937.60
26 05 19 16-0451		MLF	#4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,240.23	1,062.62
26 05 19 16-0452		MLF	250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	6,541.41	1,252.36
26 05 19 16-0453		MLF	300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	6,728.22	1,318.30
26 05 19 16-0454		MLF	350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,137.82	1,380.57
26 05 19 16-0455		MLF	400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,905.52	1,437.21
26 05 19 16-0456		MLF	500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,207.14	1,498.54
26 05 19 16-0457			Insulated Stranded Conductor *(26 05 19 16-0439)*		
26 05 19 16-0458		MLF	#12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,030.15	344.44
26 05 19 16-0459		MLF	#10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,185.28	375.43
26 05 19 16-0460		MLF	#8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,391.45	406.81
26 05 19 16-0461		MLF	#6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,508.69	438.37
26 05 19 16-0462		MLF	#4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,779.92	470.02
26 05 19 16-0463		MLF	#2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,331.43	563.76
26 05 19 16-0464		MLF	#1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,715.45	626.22
26 05 19 16-0465		MLF	#1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,154.90	687.56
26 05 19 16-0466		MLF	#2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,787.78	815.49
26 05 19 16-0467		MLF	#3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,502.61	937.60
26 05 19 16-0468		MLF	#4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,265.80	1,062.62
26 05 19 16-0469		MLF	250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	6,384.96	1,252.36
26 05 19 16-0470		MLF	300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,142.35	1,318.30
26 05 19 16-0471		MLF	350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,768.40	1,380.57
26 05 19 16-0472		MLF	400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,599.22	1,437.21
26 05 19 16-0473		MLF	500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,555.65	1,498.54
26 05 19 16-0474			Bare Solid Conductor *(26 05 19 16-0439)*		
26 05 19 16-0475		MLF	#12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	978.38	344.44
26 05 19 16-0476		MLF	#8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,259.58	406.81
26 05 19 16-0477		MLF	#6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,483.72	438.37
26 05 19 16-0478		MLF	#4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,726.10	470.02
26 05 19 16-0479			Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*		
26 05 19 16-0480			Multi-Conductor Cords *(26 05 19 16-0479)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0481			Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0480)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0482			300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0481)*		
26 05 19 16-0483			#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0482)*		
26 05 19 16-0484		LF	2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.96	0.36
26 05 19 16-0485		LF	3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.01	0.36
26 05 19 16-0486		LF	4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.15	0.36
26 05 19 16-0487			#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0482)*		
26 05 19 16-0488		LF	2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.12	0.36
26 05 19 16-0489		LF	3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.21	0.36
26 05 19 16-0490		LF	4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.33	0.36
26 05 19 16-0491			#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0482)*		
26 05 19 16-0492		LF	2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.29	0.36
26 05 19 16-0493		LF	3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.42	0.36
26 05 19 16-0494		LF	4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.69	0.36
26 05 19 16-0495			#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0482)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0496	LF	2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.51	0.36
26 05 19 16-0497	LF	3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.68	0.36
26 05 19 16-0498	LF	4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.91	0.36
26 05 19 16-0499		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0482)*		
26 05 19 16-0500	LF	2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.01	0.45
26 05 19 16-0501	LF	3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.12	0.45
26 05 19 16-0502	LF	4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.29	0.45
26 05 19 16-0503		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0481)*		
26 05 19 16-0504		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0505	LF	2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.01	0.36
26 05 19 16-0506	LF	3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.11	0.36
26 05 19 16-0507	LF	4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.24	0.36
26 05 19 16-0508	LF	5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.23	0.49
26 05 19 16-0509	LF	6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.45	0.50
26 05 19 16-0510	LF	7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.62	0.51
26 05 19 16-0511	LF	8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.89	0.53
26 05 19 16-0512	LF	10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.34	0.55
26 05 19 16-0513	LF	12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.83	0.57
26 05 19 16-0514	LF	14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.13	0.58
26 05 19 16-0515	LF	16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.22	0.59
26 05 19 16-0516	LF	18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.36	0.61
26 05 19 16-0517	LF	20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.00	0.62
26 05 19 16-0518	LF	24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.62	0.63
26 05 19 16-0519	LF	30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.93	0.68
26 05 19 16-0520		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0521	LF	2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.21	0.36
26 05 19 16-0522	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.29	0.36
26 05 19 16-0523	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.46	0.36
26 05 19 16-0524	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.34	0.49
26 05 19 16-0525	LF	6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.60	0.50
26 05 19 16-0526	LF	7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.86	0.51
26 05 19 16-0527	LF	8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.18	0.53
26 05 19 16-0528	LF	9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.31	0.54
26 05 19 16-0529	LF	10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.69	0.55
26 05 19 16-0530	LF	12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.34	0.57
26 05 19 16-0531	LF	14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.68	0.58
26 05 19 16-0532	LF	16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.31	0.59
26 05 19 16-0533	LF	18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.16	0.61
26 05 19 16-0534	LF	20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.95	0.62
26 05 19 16-0535	LF	24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.45	0.63
26 05 19 16-0536	LF	26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.30	0.65
26 05 19 16-0537	LF	30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.86	0.68
26 05 19 16-0538		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0539	LF	2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.45	0.36
26 05 19 16-0540	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.54	0.36
26 05 19 16-0541	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.79	0.36
26 05 19 16-0542	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.10	0.49
26 05 19 16-0543	LF	6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.75	0.50
26 05 19 16-0544	LF	7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.98	0.51
26 05 19 16-0545	LF	8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.53
26 05 19 16-0546	LF	9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.84	0.54
26 05 19 16-0547	LF	10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.42	0.55
26 05 19 16-0548	LF	12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.98	0.57
26 05 19 16-0549	LF	14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.63	0.58
26 05 19 16-0550	LF	16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.01	0.59
26 05 19 16-0551	LF	20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.02	0.62
26 05 19 16-0552	LF	24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.67	0.63
26 05 19 16-0553	LF	30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.65	0.68
26 05 19 16-0554		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0555	LF	2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.69	0.36
26 05 19 16-0556	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.87	0.36
26 05 19 16-0557	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.06	0.36
26 05 19 16-0558	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.58	0.49
26 05 19 16-0559	LF	6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.18	0.50
26 05 19 16-0560	LF	7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.80	0.51
26 05 19 16-0561	LF	8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.47	0.53
26 05 19 16-0562	LF	9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.93	0.54

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0563	LF	10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.74	0.55
26 05 19 16-0564	LF	12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.70	0.57
26 05 19 16-0565	LF	14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.60	0.58
26 05 19 16-0566	LF	16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.49	0.59
26 05 19 16-0567	LF	18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.91	0.61
26 05 19 16-0568	LF	20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.46	0.62
26 05 19 16-0569	LF	24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.05	0.63
26 05 19 16-0570	LF	26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.64	0.65
26 05 19 16-0571	LF	28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.15	0.66
26 05 19 16-0572	LF	30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.70	0.68
26 05 19 16-0573		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0574	LF	2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.96	0.45
26 05 19 16-0575	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.11	0.45
26 05 19 16-0576	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.28	0.45
26 05 19 16-0577	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.07	0.49
26 05 19 16-0578	LF	6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.16	0.50
26 05 19 16-0579	LF	7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.11	0.51
26 05 19 16-0580	LF	10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.91	0.55
26 05 19 16-0581	LF	12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.09	0.57
26 05 19 16-0582	LF	16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.65	0.59
26 05 19 16-0583	LF	20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	17.06	0.62
26 05 19 16-0584		#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0585	LF	3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.03	0.54
26 05 19 16-0586	LF	4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.41	0.63
26 05 19 16-0587	LF	5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.10	0.63
26 05 19 16-0588		#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0589	LF	3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.89	0.63
26 05 19 16-0590	LF	4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.11	0.72
26 05 19 16-0591	LF	5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.54	0.90
26 05 19 16-0592		#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0593	LF	3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.45	0.90
26 05 19 16-0594	LF	4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.38	0.99
26 05 19 16-0595	LF	5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.58	1.08
26 05 19 16-0596		#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0503)*		
26 05 19 16-0597	LF	3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.98	1.80
26 05 19 16-0598	LF	4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.81	2.25
26 05 19 16-0599	LF	5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	21.42	2.98
26 05 19 16-0600		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0481)*		
26 05 19 16-0601		#18, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0600)*		
26 05 19 16-0602	LF	2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.34	0.36
26 05 19 16-0603	LF	3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.36
26 05 19 16-0604	LF	4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.79	0.36
26 05 19 16-0605		#16, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0600)*		
26 05 19 16-0606	LF	2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.43	0.36
26 05 19 16-0607	LF	3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.67	0.36
26 05 19 16-0608	LF	4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.79	0.36
26 05 19 16-0609		#14, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0600)*		
26 05 19 16-0610	LF	2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.04	0.36
26 05 19 16-0611	LF	3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.03	0.36
26 05 19 16-0612	LF	4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.91	0.45
26 05 19 16-0613		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0481)*		
26 05 19 16-0614		#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0613)*		
26 05 19 16-0615	LF	2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.96	0.36
26 05 19 16-0616	LF	3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.38	0.36
26 05 19 16-0617	LF	4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.82	0.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0618		#16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0613)*		
26 05 19 16-0619	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.11	0.36
26 05 19 16-0620	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.54	0.36
26 05 19 16-0621	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.21	0.36
26 05 19 16-0622	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.47	0.45
26 05 19 16-0623		#14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0613)*		
26 05 19 16-0624	LF	3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.64	0.36
26 05 19 16-0625	LF	4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.18	0.36
26 05 19 16-0626	LF	5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.57	0.45
26 05 19 16-0627		#12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0613)*		
26 05 19 16-0628	LF	3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.15	0.36
26 05 19 16-0629	LF	4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.64	0.36
26 05 19 16-0630	LF	5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.07	0.45
26 05 19 16-0631		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0613)*		
26 05 19 16-0632	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.62	0.45
26 05 19 16-0633	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.06	0.45
26 05 19 16-0634	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.48	0.45
26 05 19 16-0635		Multi-Conductor Type SEOW Cord *(26 05 19 16-0480)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0636		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0635)*		
26 05 19 16-0637		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0636)*		
26 05 19 16-0638	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.45	0.36
26 05 19 16-0639	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.61	0.36
26 05 19 16-0640	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.52	0.45
26 05 19 16-0641		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0636)*		
26 05 19 16-0642	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.96	0.36
26 05 19 16-0643	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.27	0.36
26 05 19 16-0644	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.32	0.45
26 05 19 16-0645		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0636)*		
26 05 19 16-0646	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.47	0.36
26 05 19 16-0647	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.88	0.36
26 05 19 16-0648	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.66	0.45
26 05 19 16-0649		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0636)*		
26 05 19 16-0650	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.16	0.45
26 05 19 16-0651	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.66	0.45
26 05 19 16-0652	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.92	0.45
26 05 19 16-0653		Multi-Conductor Type W Cord *(26 05 19 16-0480)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0654		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0653)*		
26 05 19 16-0655		#8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0654)*		
26 05 19 16-0656	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.45	0.54
26 05 19 16-0657	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.79	0.63
26 05 19 16-0658	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.70	0.63
26 05 19 16-0659		#6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0654)*		
26 05 19 16-0660	LF	3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.77	0.63
26 05 19 16-0661	LF	4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.70	0.72
26 05 19 16-0662	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.09	0.90
26 05 19 16-0663		#4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0654)*		
26 05 19 16-0664	LF	3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.60	0.63
26 05 19 16-0665	LF	4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.79	0.72
26 05 19 16-0666	LF	5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	10.04	0.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0667		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0479)*		
26 05 19 16-0668		Cord Grips *(26 05 19 16-0667)*		
26 05 19 16-0669	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	56.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 19 16-0670	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	56.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 19 16-0671		Cable Reels *(26 05 19 16-0667)*		
		Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0479 for cords.		
26 05 19 16-0672	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	529.15	45.09
26 05 19 16-0673	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,472.30	45.09
26 05 19 16-0674	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,099.49	45.09
26 05 19 16-0675		Extension Cords *(26 05 19 16-0667)*		
26 05 19 16-0676	EA	Extension Cord, 120 Volt 12/3, 100 Ft	88.73	
26 05 19 16-0677	EA	Extension Cord, 240 Volt 10/3, 100 Ft	133.52	
26 05 19 16-0678		Plugs And Connector Bodies *(26 05 19 16-0667)*		
		Note: Up to 277 volts.		
26 05 19 16-0679		NEMA Twist-Lock Plugs *(26 05 19 16-0678)*		
26 05 19 16-0680	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	62.80	
26 05 19 16-0681	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	64.16	
26 05 19 16-0682	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	58.43	
26 05 19 16-0683	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	62.63	
26 05 19 16-0684	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	82.32	
26 05 19 16-0685	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	87.65	
26 05 19 16-0686	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	92.87	
26 05 19 16-0687	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	83.11	
26 05 19 16-0688	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	95.94	
26 05 19 16-0689	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	98.43	
26 05 19 16-0690	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	101.61	
26 05 19 16-0691		NEMA Twist-Lock Connector Bodies *(26 05 19 16-0678)*		
26 05 19 16-0692	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	66.65	
26 05 19 16-0693	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	71.48	
26 05 19 16-0694	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	61.32	
26 05 19 16-0695	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	83.11	
26 05 19 16-0696	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	97.19	
26 05 19 16-0697	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	104.00	
26 05 19 16-0698	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	126.92	
26 05 19 16-0699	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	121.13	
26 05 19 16-0700	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	149.85	
26 05 19 16-0701	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	157.45	
26 05 19 16-0702	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	149.17	
26 05 19 16-0703		Watertight Pin And Sleeve Plug *(26 05 19 16-0678)*		
26 05 19 16-0704	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	166.01	27.06
26 05 19 16-0705	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	167.63	27.06
26 05 19 16-0706	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	180.23	27.06
26 05 19 16-0707	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	181.84	29.76
26 05 19 16-0708	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	179.40	29.76
26 05 19 16-0709	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	180.12	29.76
26 05 19 16-0710	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	249.27	33.28
26 05 19 16-0711	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	243.18	33.28
26 05 19 16-0712	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	269.33	33.28
26 05 19 16-0713	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	266.51	36.53
26 05 19 16-0714	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	255.94	36.53
26 05 19 16-0715	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	263.21	36.53
26 05 19 16-0716	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	337.74	43.29
26 05 19 16-0717	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	343.53	43.29
26 05 19 16-0718	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	329.79	43.29
26 05 19 16-0719	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	375.01	48.16
26 05 19 16-0720	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	365.99	48.16
26 05 19 16-0721	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	369.89	48.16
26 05 19 16-0722	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	460.86	54.11
26 05 19 16-0723	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	483.25	54.11
26 05 19 16-0724	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	474.50	59.52
26 05 19 16-0725	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	466.85	59.52
26 05 19 16-0726	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	470.98	59.52
26 05 19 16-0727		Watertight Pin And Sleeve Connector *(26 05 19 16-0678)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0728	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	175.34	27.06
26 05 19 16-0729	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	176.46	27.06
26 05 19 16-0730	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	205.48	27.06
26 05 19 16-0731	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	205.36	29.76
26 05 19 16-0732	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	202.41	29.76
26 05 19 16-0733	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	205.08	29.76
26 05 19 16-0734	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	254.85	33.28
26 05 19 16-0735	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	254.79	33.28
26 05 19 16-0736	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	264.80	33.28
26 05 19 16-0737	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	263.79	36.53
26 05 19 16-0738	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	265.85	36.53
26 05 19 16-0739	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	263.68	36.53
26 05 19 16-0740	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	394.93	43.29
26 05 19 16-0741	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	382.68	43.29
26 05 19 16-0742	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	375.37	43.29
26 05 19 16-0743	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	409.05	48.16
26 05 19 16-0744	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	419.71	48.16
26 05 19 16-0745	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	420.49	48.16
26 05 19 16-0746	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	523.60	54.11
26 05 19 16-0747	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	537.66	54.11
26 05 19 16-0748	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	581.50	59.52
26 05 19 16-0749	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	562.19	59.52
26 05 19 16-0750	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	568.78	59.52

26 05 19 16-0751 Accessories *(26 05 19 16-0667)*

26 05 19 16-0752	EA	1/2" Straight Steel Cord Connector	37.64	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0753	EA	1/2" Straight Nylon Cord Connector	23.33	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 19 16-0754	EA	1/2" 90 Degree Steel Cord Connector	43.61	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0755	EA	1/2" 90 Degree Nylon Cord Connector	28.57	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0756	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	43.13	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0757	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	71.29	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 19 16-0758	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	28.19	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0759	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	45.40	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0760	EA	3/4" Straight Steel Cord Connector	39.02	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0761	EA	3/4" Straight Nylon Cord Connector	24.02	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 19 16-0762	EA	3/4" 90 Degree Steel Cord Connector	47.92	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0763	EA	3/4" 90 Degree Nylon Cord Connector	30.73	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0764	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	49.09	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 19 16-0765	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	58.20	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 05 19 16-0766	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	34.15	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0767	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	41.20	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 19 16-0768	EA	1" Straight Steel Cord Connector	47.86	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0769	EA	1" Straight Nylon Cord Connector	28.44	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 19 16-0770	EA	1" 90 Degree Steel Cord Connector	53.77	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0771	EA	1" 90 Degree Nylon Cord Connector	33.65	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 19 16-0772	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	58.38	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 19 16-0773	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	64.34	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 05 19 16-0774	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	38.87	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0775	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	45.19	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	

26 05 19 23 Manufactured Wiring Assemblies *(26 05 19)*

26 05 19 23-0001 Festoon Cable Systems Complete System *(26 05 19 23)*

26 05 19 23-0002 Components *(26 05 19 23-0001)*

26 05 19 23-0003	LF	20' C Channel Type Track, Galvanized Steel Festoon Cable System Components	12.18	5.41
26 05 19 23-0004	EA	Channel Track Hanger, Plated Steel Festoon Cable System Components	48.35	19.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 23-0005	EA	Channel Track Joint Clamp Assembly Festoon Cable System Components	39.70	19.84
26 05 19 23-0006	EA	End Stop For Channel Track Festoon Cable System Components	10.11	4.51
26 05 19 23-0007	EA	End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	50.53	22.55
26 05 19 23-0008	EA	Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	43.50	1.80
26 05 19 23-0009	EA	Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	49.84	1.80
26 05 19 23-0010	EA	J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	297.99	112.73
26 05 19 23-0011	EA	Watertight Connector For Flat Cable Festoon Cable System Components	27.13	9.03
26 05 19 23-0012		Cable *(26 05 19 23-0001)*		
26 05 19 23-0013	LF	12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.14	1.80
26 05 19 23-0014	LF	12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.61	1.80
26 05 19 23-0015	LF	8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.67	1.80
26 05 19 23-0016	LF	8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.70	1.80
26 05 19 23-0017	LF	7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.19	1.80
26 05 19 23-0018	LF	4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.74	1.80
26 05 19 23-0019	LF	4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.99	1.80
26 05 19 23-0020		Complete Systems *(26 05 19 23-0001)*		
26 05 19 23-0021	EA	Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.	4,976.36	1,803.69

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001		Cable For Sound System *(26 05 23)*		
26 05 23 00-0002		Shielded Conductors *(26 05 23 00-0001)* Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.		
26 05 23 00-0003	MLF	1 Pair #20 AWG Sound System, Placed In Conduit, Shielded	714.86	329.79
26 05 23 00-0004	MLF	1 Pair #14 AWG Sound System, Placed In Conduit, Shielded	1,064.26	329.79
26 05 23 00-0005	MLF	3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	907.16	195.46
26 05 23 00-0006	MLF	6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	951.49	199.85
26 05 23 00-0007		Cable For HVAC System Controls *(26 05 23)*		
26 05 23 00-0008		Low Voltage Thermostat Cable To 300 Volts *(26 05 23 00-0007)* Note: For surface or conduit installation.		
26 05 23 00-0009	MLF	#20/2 Conductor, Low Volt Thermostat Cable	357.31	105.12
26 05 23 00-0010	MLF	#20/3 Conductor, Low Volt Thermostat Cable	407.90	110.73
26 05 23 00-0011	MLF	#20/4 Conductor, Low Volt Thermostat Cable	442.10	117.08
26 05 23 00-0012	MLF	#20/5 Conductor, Low Volt Thermostat Cable	529.76	122.02
26 05 23 00-0013	MLF	#20/6 Conductor, Low Volt Thermostat Cable	555.36	127.79
26 05 23 00-0014	MLF	#20/7 Conductor, Low Volt Thermostat Cable	611.14	133.11
26 05 23 00-0015	MLF	#20/8 Conductor, Low Volt Thermostat Cable	659.55	138.43
26 05 23 00-0016	MLF	#20/9 Conductor, Low Volt Thermostat Cable	716.06	143.95
26 05 23 00-0017	MLF	#20/10 Conductor, Low Volt Thermostat Cable	770.39	148.27
26 05 23 00-0018	MLF	#18/2 Conductor, Low Volt Thermostat Cable	388.04	105.12
26 05 23 00-0019	MLF	#18/3 Conductor, Low Volt Thermostat Cable	462.73	110.73
26 05 23 00-0020	MLF	#18/4 Conductor, Low Volt Thermostat Cable	529.09	117.08
26 05 23 00-0021	MLF	#18/5 Conductor, Low Volt Thermostat Cable	565.67	122.02
26 05 23 00-0022	MLF	#18/6 Conductor, Low Volt Thermostat Cable	627.50	127.79
26 05 23 00-0023	MLF	#18/7 Conductor, Low Volt Thermostat Cable	644.26	133.11
26 05 23 00-0024	MLF	#18/8 Conductor, Low Volt Thermostat Cable	710.09	138.43
26 05 23 00-0025	MLF	#18/9 Conductor, Low Volt Thermostat Cable	837.34	143.95
26 05 23 00-0026	MLF	#18/10 Conductor, Low Volt Thermostat Cable	919.97	148.27

26 05 26 Grounding And Bonding For Electrical Systems *(26 05)*

26 05 26 00-0001		Conductors, Straps And Conduit Jumpers *(26 05 26)*		
26 05 26 00-0002		Single Conductor *(26 05 26 00-0001)*		
26 05 26 00-0003		Copper Bare Stranded Conductors *(26 05 26 00-0002)*		
26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	411.43	170.95
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	522.33	170.95
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	633.93	205.92
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	829.39	205.92
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,076.49	248.66
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	1,627.35	248.66
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	1,866.26	299.17
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	2,183.26	299.17
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	2,999.75	376.87
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	3,668.58	376.87
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	3,930.40	501.20
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	4,981.72	501.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	5,023.77	578.90
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	6,665.64	578.90
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	9,031.63	714.89
26 05 26 00-0019		**Copper Insulated Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	699.21	233.11
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	764.61	233.11
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	961.74	233.11
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,110.35	404.07
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	1,466.17	404.07
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	2,025.08	404.07
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	2,423.92	707.12
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	2,933.69	707.12
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	3,401.99	707.12
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	4,007.39	707.12
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	4,687.61	924.70
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	5,609.52	924.70
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	6,492.32	924.70
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	7,696.17	1,437.56
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	9,929.22	1,437.56
26 05 26 00-0035		**Copper Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	411.43	170.95
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	522.33	170.95
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	633.93	205.92
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	829.39	205.92
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,076.49	248.66
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	1,627.35	248.66
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,183.26	299.17
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	3,930.40	396.30
26 05 26 00-0044		**Aluminum Bare Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	503.93	205.92
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	551.84	205.92
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	625.96	248.66
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	776.49	248.66
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	889.49	299.17
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,018.72	299.17
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,161.71	376.87
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,332.98	376.87
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,587.95	501.20
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	1,775.20	501.20
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,097.10	578.90
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,372.49	578.90
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	2,795.55	714.89
26 05 26 00-0058		**Aluminum Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	503.93	205.92
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	551.84	205.92
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	625.96	248.66
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	776.49	248.66
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	858.13	396.30
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,018.72	396.30
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,084.03	376.87
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,176.56	376.87
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,587.95	501.20
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	1,775.20	501.20
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,097.10	578.90
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,372.49	578.90
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	2,795.55	714.89
26 05 26 00-0072		**Aluminum Smooth Woven Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.98	0.62
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.18	0.68
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.57	0.78
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.60	0.80
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.72	0.84
26 05 26 00-0078		**Copper Flexible Braid Connector Jumper Strap** *(26 05 26 00-0001)*		
		Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079	EA	100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	94.30	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0080		EA	225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	158.67	27.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 26 00-0081		EA	225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	200.54	27.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 26 00-0082		EA	225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	241.83	27.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 26 00-0083		EA	400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	212.74	29.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.29*	
26 05 26 00-0084		EA	400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	272.96	29.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.29*	
26 05 26 00-0085		EA	400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	325.29	29.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.29*	
26 05 26 00-0086		EA	600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	274.59	37.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.32*	
26 05 26 00-0087		EA	800 Amp, Copper Flexible Braid Jumper Strap, 12" Length	330.34	45.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	

26 05 26 00-0088 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0089		EA	1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit	131.49	49.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.18*	
26 05 26 00-0090		EA	1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit	161.98	49.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.69*	
26 05 26 00-0091		EA	2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit	231.85	76.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.99*	
26 05 26 00-0092		EA	5" To 6" Conductor, Bonding Jumper - Metallic Conduit	336.90	76.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.10*	

26 05 26 00-0093 Ground Rods *(26 05 26)*

26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

26 05 26 00-0095		EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	73.48	67.64
26 05 26 00-0096		EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	76.14	67.64
26 05 26 00-0097		EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	86.86	67.64
26 05 26 00-0098		EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	86.23	67.64
26 05 26 00-0099		EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	89.55	67.64
26 05 26 00-0100		EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	102.95	67.64

26 05 26 00-0101 Copper Grounding Shaft *(26 05 26 00-0093)*

26 05 26 00-0102		EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	232.77	67.64
26 05 26 00-0103		EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	288.18	67.64
26 05 26 00-0104		EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	439.79	67.64

26 05 26 00-0105 Ground Access Wells *(26 05 26 00-0093)*

26 05 26 00-0106 Precast Ground Access Wells *(26 05 26 00-0105)*

26 05 26 00-0107		EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	170.92	
26 05 26 00-0108		EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	178.69	
26 05 26 00-0109		EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	472.33	
26 05 26 00-0110		EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	480.09	

26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0112		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	281.93	
26 05 26 00-0113		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	328.88	
26 05 26 00-0114		EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	595.88	
26 05 26 00-0115		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	270.25	
26 05 26 00-0116		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	278.56	
26 05 26 00-0117		EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	572.22	
26 05 26 00-0118		EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	157.84	
26 05 26 00-0119		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	168.95	
26 05 26 00-0120		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	178.12	
26 05 26 00-0121		EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	125.17	
26 05 26 00-0122		EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	178.37	
26 05 26 00-0123		EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	303.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	398.14	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	248.38	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	352.91	
26 05 26 00-0127	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	368.46	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	448.74	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	206.72	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	348.64	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	374.55	

26 05 26 00-0132 Polymer Concrete Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	301.28	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	329.08	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	331.03	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	361.56	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	361.86	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	395.38	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	477.43	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	522.92	

26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0142	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	117.77	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	162.07	

26 05 26 00-0144 Ground Rod Clamps And Fittings *(26 05 26)*

26 05 26 00-0145 Bronze Ground Rod Clamp *(26 05 26 00-0144)*

26 05 26 00-0146	EA	1/2" Bronze Ground Rod Clamp	17.29	10.19
26 05 26 00-0147	EA	5/8" Bronze Ground Rod Clamp	17.96	10.19
26 05 26 00-0148	EA	3/4" Bronze Ground Rod Clamp	18.91	10.19

26 05 26 00-0149 Bronze Pipe Clamps *(26 05 26 00-0144)*

26 05 26 00-0150	EA	1/2" To 1" Bronze Pipe Ground Clamps	24.78	16.95
26 05 26 00-0151	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	32.00	20.29
26 05 26 00-0152	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	50.12	23.72
26 05 26 00-0153	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	60.74	30.48
26 05 26 00-0154	EA	4" To 6" Bronze Ground Clamps For Pipe	93.98	44.01

26 05 26 00-0155 Grounding Fittings *(26 05 26 00-0144)*

26 05 26 00-0156 Embedded Fittings *(26 05 26 00-0155)*

26 05 26 00-0157	EA	Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	116.23	
26 05 26 00-0158	EA	Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	122.29	
26 05 26 00-0159	EA	Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded	133.05	
26 05 26 00-0160	EA	Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG	118.00	
26 05 26 00-0161	EA	Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG	141.43	
26 05 26 00-0162	EA	Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM	165.73	
26 05 26 00-0163	EA	Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up	186.40	

26 05 26 00-0164 Ground Rod Receptacle *(26 05 26 00-0155)*

26 05 26 00-0165	EA	1/2" Ground Rod Receptacle	249.47	93.79
26 05 26 00-0166	EA	5/8" Ground Rod Receptacle	260.05	96.44
26 05 26 00-0167	EA	3/4" Ground Rod Receptacle	270.90	99.06

26 05 26 00-0168 Ground Kits For Circuit Breaker Panels *(26 05 26 00-0155)*

26 05 26 00-0169	EA	14-8 AWG Copper Ground Kit	56.52	22.55
26 05 26 00-0170	EA	12-8 AWG Aluminum Ground Kit	51.72	22.55
26 05 26 00-0171	EA	14-4 AWG Copper Ground Kit	61.62	22.55
26 05 26 00-0172	EA	12-4 AWG Aluminum Ground Kit	56.36	22.55

26 05 26 00-0173 Insulated Grounding Bars *(26 05 26 00-0144)*

26 05 26 00-0174	EA	Insulated Ground Bar 1/2" x 4" x 10"	225.01	22.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0175	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	234.86	22.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 05 26 00-0176		Ground Conductor Bonding *(26 05 26)*		
26 05 26 00-0177		Ground Conductor Bonding *(26 05 26 00-0176)*		
26 05 26 00-0178		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld *(26 05 26 00-0177)*		
26 05 26 00-0179	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	103.74	
26 05 26 00-0180	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	112.75	
26 05 26 00-0181	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	121.77	
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	175.88	
26 05 26 00-0183		Tee, Wye Or Cross Cadweld *(26 05 26 00-0177)*		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	117.26	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	135.30	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	166.87	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	202.93	
26 05 26 00-0188		Grounding Equipment *(26 05 26)*		
26 05 26 00-0189		Special Grounding Equipment *(26 05 26 00-0188)*		
26 05 26 00-0190		Ground Reels And Ground Bus *(26 05 26 00-0189)*		
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable	486.94	
26 05 26 00-0192		Copper Bars *(26 05 26 00-0189)*		
26 05 26 00-0193	LF	1/4" x 2" Copper Bar	28.79	
26 05 26 00-0194		Phenolic Insulators *(26 05 26 00-0189)*		
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators	22.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 26 00-0196		Grounding Studs *(26 05 26 00-0189)*		
26 05 26 00-0197	EA	Ball Grounding Stud	32.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.08*	
26 05 26 00-0198		Equipment Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit	24.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit	31.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit	36.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit	60.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 26 00-0203		Panelboard Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0204	EA	Panelboard Ground Bar Kit	83.73	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 26 00-0205		Circuit Breaker Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit	20.39	4.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit	20.07	4.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit	20.60	4.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit	23.35	4.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit	26.53	5.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.14*	
26 05 26 00-0211	EA	24 Circuit, Ground Bar Kit	29.28	5.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0212	EA	30 Circuit, Ground Bar Kit	32.82	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 26 00-0213	EA	54 Circuit, Ground Bar Kit	38.01	7.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 26 00-0214	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	39.93	5.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	
26 05 26 00-0215	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	44.32	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 26 00-0216	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	49.62	7.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

26 05 29 Hangers And Supports For Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

26 05 29 00-0003 14 Gauge Metal Framing Channels *(26 05 29 00-0002)*

26 05 29 00-0004 14 Gauge, Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	15.62	4.95
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	17.20	4.95
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.79	1.86

26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.77	4.95
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.01	4.95
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.51	4.95
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.99	4.95
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	15.94	1.86
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	18.18	1.86

26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*

26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.45	4.95
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	52.88	4.95
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.62	1.86

26 05 29 00-0019 12 Gauge Metal Framing Channels *(26 05 29 00-0002)*

26 05 29 00-0020 12 Gauge, Steel Unistrut Channel *(26 05 29 00-0019)*

26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	16.61	4.95
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	16.27	4.95
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	16.05	4.95
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	19.18	4.95
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	18.51	4.95
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	18.08	4.95
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.78	1.86
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.44	1.86
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.22	1.86

26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel *(26 05 29 00-0019)*

26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	26.75	4.95
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	30.62	4.95
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	39.48	4.95
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	47.22	4.95
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	18.92	1.86
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.79	1.86

26 05 29 00-0037 Metal Framing Channel Fittings *(26 05 29 00-0001)*

26 05 29 00-0038 Unistrut Channel Closure Strips And Caps *(26 05 29 00-0037)*

26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0038)*

26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	4.29	0.45
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	10.36	4.52

26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0038)*

26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	14.82	4.52

26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0037)*

26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0044)*

26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.39	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.36	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	5.24	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0044)*		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	11.16	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.42	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	20.88	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0053)*		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.26	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.62	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.01	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.93	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0053)*		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.55	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	8.09	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.92	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	9.67	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.87	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	16.06	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.31	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.33	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	8.45	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	3.20	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	3.53	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	13.24	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	8.67	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	25.40	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.65	1.35
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.67	1.35
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.74	1.35
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.74	1.81
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.13	1.81
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.17	1.81
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.35	2.26
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.69	2.26
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.02	2.26
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.13	2.26
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.53	1.35
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.12	1.35
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.71	1.35
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.38	1.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.01	1.81
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.44	1.81
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.57	2.26
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.02	2.26
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.64	2.26
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.95	2.26
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.89	1.35
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.72	1.35
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.96	1.35
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.49	1.81
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.35	1.81
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.49	1.81
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.67	2.26
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.41	2.26
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.66	2.26
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.87	2.26
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	26.39	8.25
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	18.78	8.25
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	25.62	8.25
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	33.88	8.25
26 05 29 00-0123		Square Washers For Unistrut Channel *(26 05 29 00-0037)*		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	3.13	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.37	
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	4.17	
26 05 29 00-0129		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	23.24	
26 05 29 00-0131		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel	29.00	
26 05 29 00-0133		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0134		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.83	
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.29	
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.64	
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	8.52	
26 05 29 00-0139		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)*		
		Note: Includes hex bolt.		
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	9.82	
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.37	
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.12	
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.21	
26 05 29 00-0144		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0037)*		
		Note: Includes hex bolt.		
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*		
		Note: Includes hex bolt.		
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.84	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.36	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	9.07	

26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)*

Note: Includes hex bolt.

26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.41	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.66	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.32	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	22.65	

26 05 29 00-0155 Mounting Assemblies *(26 05 29)*

26 05 29 00-0156 Galvanized Steel Mounting Assemblies *(26 05 29 00-0155)*

26 05 29 00-0157 Galvanized Steel Back Plate *(26 05 29 00-0156)*

26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	323.71	54.11
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	81.64	18.04
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	206.48	45.09

26 05 29 00-0161 Aluminum Mounting Assemblies *(26 05 29 00-0155)*

26 05 29 00-0162 Aluminum Back Plate *(26 05 29 00-0161)*

26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate	190.67	67.64
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate	434.71	67.64

26 05 29 00-0165 Supports *(26 05 29)*

26 05 29 00-0166 One Hole Steel Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	3.21	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	3.25	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap	3.43	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap	3.57	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap	3.66	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap	4.21	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap	4.78	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap	4.97	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap	5.91	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap	6.66	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.24*	

26 05 29 00-0177 One Hole Iron Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap	3.30	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0179	EA	3/4", One Hole Iron Conduit Strap	3.39	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0180	EA	1", One Hole Iron Conduit Strap	3.55	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0181	EA	1-1/4", One Hole Iron Conduit Strap	3.94	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0182	EA	1-1/2", One Hole Iron Conduit Strap	4.10	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0183	EA	2", One Hole Iron Conduit Strap	5.08	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0184	EA	2-1/2", One Hole Iron Conduit Strap	7.20	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0185	EA	3", One Hole Iron Conduit Strap	8.97	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0186	EA	3-1/2", One Hole Iron Conduit Strap	11.55	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	21.90	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.77*	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	27.46	
		For Work In Restricted Working Space, Add	*0.87*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.32*	

26 05 29 00-0189 Two Hole Steel Conduit Straps *(26 05 29 00-0165)*

26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	3.67	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	3.73	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.02*	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	3.76	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	3.81	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	3.84	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0195	EA	2", Two Hole Steel Conduit Strap	3.91	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0196	EA	2-1/2", Two Hole Steel Conduit Strap	4.34	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0197	EA	3", Two Hole Steel Conduit Strap	4.43	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0198	EA	3-1/2", Two Hole Steel Conduit Strap	4.77	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0199	EA	4", Two Hole Steel Conduit Strap	4.99	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0200	EA	5", Two Hole Steel Conduit Strap	5.30	
		For Work In Restricted Working Space, Add	*0.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.01*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0201		Clamp Back Spacers *(26 05 29 00-0165)*		
26 05 29 00-0202	EA	1/2" Conduit, Clamp Back Spacer	2.85	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0203	EA	3/4" Conduit, Clamp Back Spacer	3.05	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
26 05 29 00-0204	EA	1" Conduit, Clamp Back Spacer	3.24	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.77*	
26 05 29 00-0205	EA	1-1/4" Conduit, Clamp Back Spacer	3.98	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0206	EA	1-1/2" Conduit, Clamp Back Spacer	4.58	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0207	EA	2" Conduit, Clamp Back Spacer	5.20	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0208	EA	2-1/2" Conduit, Clamp Back Spacer	7.75	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0209	EA	3" Conduit, Clamp Back Spacer	10.78	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0210	EA	3-1/2" Conduit, Clamp Back Spacer	13.73	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.82*	
26 05 29 00-0211	EA	4" Conduit, Clamp Back Spacer	27.57	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.21*	
26 05 29 00-0212	EA	5" Conduit, Clamp Back Spacer	50.95	
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.10*	
		For >500, Deduct	*-5.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0213		**Conduit Clips** *(26 05 29 00-0165)* Note: Push in or clip.		
26 05 29 00-0214	EA	1/2" Conduit Clip	3.49	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0215	EA	3/4" Conduit Clip	3.49	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0216	EA	1" Conduit Clip	3.44	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0217	EA	1-1/4" Conduit Clip	3.55	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.82*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0218		**Bolt And Nut Conduit Clips** *(26 05 29 00-0165)*		
26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.33	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.45	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.73	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.24*	
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.80	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.24	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.06*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.29*	
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.66	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.05	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	10.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.92*	
26 05 29 00-0227		**Conduit Hanger From Flange, Wire Or Rod** *(26 05 29 00-0165)* Note: Bat wing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	2.53	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.64*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	2.56	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.64*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0230	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.65	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.64*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0231	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.87	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.64*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.72*	

26 05 29 00-0232 Beam Flange Clamps *(26 05 29 00-0165)*

Note: For threaded rod, nut not required.

26 05 29 00-0233	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.49	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0234	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.43	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.79*	
26 05 29 00-0235	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.77	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	

26 05 29 00-0236 T-Bar Support Clips *(26 05 29 00-0165)*

26 05 29 00-0237	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	6.01	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0238	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	5.75	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0239	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.04	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.43*	
26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	15.02	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-1.86*	

26 05 29 00-0241 Switch And Outlet Box Type Supports *(26 05 29 00-0165)*

26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.06	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.77*	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	3.50	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.71*	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.98	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.71	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.81	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.64*	

26 05 29 00-0247 Lighting Fixture Hanger *(26 05 29 00-0165)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.15	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	12.41	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.96*	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	16.74	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.40*	

26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0165)*

26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.65	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.67	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.74	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.74	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.13	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.17	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.34	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.68	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.57*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0260	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.01	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0261	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.12	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0262		Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0165)*		
26 05 29 00-0263	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.90	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0264	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.87	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0265	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.83	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0266	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.05	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0267	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.71	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0268	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.75	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 29 00-0269		"J" Type Conduit Hangers *(26 05 29 00-0165)*		
26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	15.41	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.80*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	15.57	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.82*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	16.62	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*2.16*	
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	16.79	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*2.16*	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	17.81	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.41*	
		For Work In Restricted Working Space, Add	*2.44*	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	18.46	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.47*	
		For Work In Restricted Working Space, Add	*2.44*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	28.60	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-3.27*	
		For >500, Deduct	*-4.66*	
		For Work In Restricted Working Space, Add	*2.71*	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	30.47	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*2.98*	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	32.84	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.45*	
		For Work In Restricted Working Space, Add	*3.25*	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	42.86	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.57*	
		For >500, Deduct	*-6.45*	
		For Work In Restricted Working Space, Add	*3.25*	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	47.05	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.94*	
		For >250 To 500, Deduct	*-4.99*	
		For >500, Deduct	*-7.05*	
		For Work In Restricted Working Space, Add	*3.52*	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	65.66	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.27*	
		For Work In Restricted Working Space, Add	*4.06*	

26 05 29 00-0282 Between Studs Box Brackets *(26 05 29 00-0165)*

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.66	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.68	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*0.81*	

26 05 29 00-0285 Hangers And Brackets *(26 05 29 00-0165)*

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.19	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.13	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.13	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.74	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.75	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.69	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.74	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.75	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.64*	

26 05 29 00-0294 Clips And Accessories *(26 05 29 00-0165)*

26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.46	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.37*	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.48	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.37*	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.57	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.38*	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.77	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.40*	

26 05 29 00-0299 Wire Ties *(26 05 29 00-0165)*

Note: Per hundred (C).

26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.33	
		For UV Black, Add	*0.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.44	
		For UV Black, Add	*0.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.52	
		For UV Black, Add	*0.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.56	
		For UV Black, Add	*0.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.01	
		For UV Black, Add	*0.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.95*	
26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties	15.93	
		For UV Black, Add	*0.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 29 00-0306	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	15.47	
		For UV Black, Add	*0.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 29 00-0307	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties	15.94	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.95*	
26 05 29 00-0308	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties	16.42	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 29 00-0309	C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties	25.26	
		For UV Black, Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 29 00-0310	C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	26.54	
		For UV Black, Add	*2.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 29 00-0311	C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties	17.32	
		For UV Black, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 29 00-0312	C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties	16.18	
		For UV Black, Add	*0.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 29 00-0313	C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties	25.61	
		For UV Black, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 29 00-0314	C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	29.64	
		For UV Black, Add	*2.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 29 00-0315	C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties	29.45	
		For UV Black, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	32.31	
		For UV Black, Add	*3.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	39.69	
		For UV Black, Add	*4.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	58.30	
		For UV Black, Add	*6.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	56.35	
		For UV Black, Add	*6.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	69.43	
		For UV Black, Add	*8.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	80.87	
		For UV Black, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.13*	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	112.35	
		For UV Black, Add	*14.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts	29.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw	58.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.14*	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	1.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.11*	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	55.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.85*	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts *(26 05 29 00-0330)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.90	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.33*	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.08	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.41*	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.42	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.51*	
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.60	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.60*	
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.78	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.68*	
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.58	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.83*	
26 05 29 00-0338	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.90	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.93*	

26 05 29 00-0339 Machine Screws *(26 05 29 00-0330)*

Note: Includes drilling in concrete, concrete block, wood or steel.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.05	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.08	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.61	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.70	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.29	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.53*	

26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0330)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.16	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.13	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.27	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.63*	
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.35	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.93*	

26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0330)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.38	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.41	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.83	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.18*	

26 05 29 00-0354 Hollow Wall Screw Anchors *(26 05 29 00-0330)*

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.41	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.62*	
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.44	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.62*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.50	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.87	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.94	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.96	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.76*	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.98	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.76*	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.08	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.77*	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.12	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.77*	

26 05 29 00-0364 Lead Screw Anchors *(26 05 29 00-0330)*

Note: Includes screw.

26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.36	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.57*	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	3.96	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.82*	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.28	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.34*	

26 05 29 00-0368 Acoustical T-Bar Clips *(26 05 29 00-0330)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	5.31	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	5.57	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.17*	
26 05 29 00-0371	EA	1" Conduit, Push-In Acoustical T-Bar Clip	6.04	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.31*	

26 05 29 00-0372 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0373 Threaded Rod And Rod Accessories *(26 05 29 00-0372)*

26 05 29 00-0374 Carbon Steel Threaded Rod *(26 05 29 00-0373)*

Note: Includes plain finish.

26 05 29 00-0375	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.41	0.57
		For Galvanized, Add	*0.52*	
		For Zinc Coated, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0376	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.24	0.60
		For Galvanized, Add	*0.82*	
		For Zinc Coated, Add	*0.58*	
26 05 29 00-0377	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.41	0.62
		For Galvanized, Add	*1.27*	
		For Zinc Coated, Add	*0.90*	
26 05 29 00-0378	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.04	0.64
		For Galvanized, Add	*2.30*	
		For Zinc Coated, Add	*1.64*	
26 05 29 00-0379	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.65	0.66
		For Galvanized, Add	*2.53*	
		For Zinc Coated, Add	*1.80*	
26 05 29 00-0380	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.39	0.75
		For Galvanized, Add	*3.55*	
		For Zinc Coated, Add	*2.53*	
26 05 29 00-0381	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.87	0.83
		For Galvanized, Add	*4.48*	
		For Zinc Coated, Add	*3.19*	

26 05 29 00-0382 Threaded Rod Couplings *(26 05 29 00-0373)*

26 05 29 00-0383	EA	3/8" Diameter, Threaded Rod Coupling Nut	6.90	
26 05 29 00-0384	EA	1/2" Diameter, Threaded Rod Coupling Nut	7.79	
26 05 29 00-0385	EA	5/8" Diameter, Threaded Rod Coupling Nut	9.50	
26 05 29 00-0386	EA	3/4" Diameter, Threaded Rod Coupling Nut	11.30	
26 05 29 00-0387	EA	7/8" Diameter, Threaded Rod Coupling Nut	15.68	
26 05 29 00-0388	EA	1" Diameter, Threaded Rod Coupling Nut	18.56	
26 05 29 00-0389	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	33.09	

26 05 29 00-0390 Flat Washers *(26 05 29 00-0373)*

26 05 29 00-0391	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.59	0.22
		For Galvanized, Add	*0.02*	
26 05 29 00-0392	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.73	0.22
		For Galvanized, Add	*0.04*	
26 05 29 00-0393	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	0.22
		For Galvanized, Add	*0.08*	
26 05 29 00-0394	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.09	0.45
		For Galvanized, Add	*0.12*	
26 05 29 00-0395	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.22	0.45
		For Galvanized, Add	*0.14*	
26 05 29 00-0396	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.43	0.45
		For Galvanized, Add	*0.17*	
26 05 29 00-0397	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.60	0.45
		For Galvanized, Add	*0.19*	

26 05 29 00-0398 Malleable Iron Eye Sockets *(26 05 29 00-0373)*

Note: Type 16.

26 05 29 00-0399	EA	3/8" Rod Size, Malleable Iron Eye Socket	8.02
26 05 29 00-0400	EA	1/2" Rod Size, Malleable Iron Eye Socket	9.57
26 05 29 00-0401	EA	5/8" Rod Size, Malleable Iron Eye Socket	16.52
26 05 29 00-0402	EA	3/4" Rod Size, Malleable Iron Eye Socket	23.48
26 05 29 00-0403	EA	7/8" Rod Size, Malleable Iron Eye Socket	25.03

26 05 29 00-0404 Hex Nuts *(26 05 29 00-0373)*

26 05 29 00-0405	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.22
		For Galvanized, Add	*0.02*	
26 05 29 00-0406	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.70	0.22
		For Galvanized, Add	*0.04*	
26 05 29 00-0407	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.22
		For Galvanized, Add	*0.08*	
26 05 29 00-0408	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.06	0.45
		For Galvanized, Add	*0.11*	
26 05 29 00-0409	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.48	0.45
		For Galvanized, Add	*0.21*	
26 05 29 00-0410	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.87	0.45
		For Galvanized, Add	*0.28*	
26 05 29 00-0411	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.95	0.45
		For Galvanized, Add	*0.53*	

26 05 29 00-0412 Forged Steel Turnbuckles *(26 05 29 00-0373)*

Note: Type 13.

26 05 29 00-0413	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	19.82
26 05 29 00-0414	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	24.38
26 05 29 00-0415	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	32.41
26 05 29 00-0416	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	40.00
26 05 29 00-0417	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	96.69
26 05 29 00-0418	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	65.20
26 05 29 00-0419	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	129.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0420		**Attachments** *(26 05 29 00-0372)*		
26 05 29 00-0421		**Welded Beam Attachments** *(26 05 29 00-0420)*		
		Note: Type 22.		
26 05 29 00-0422	EA	3/8" Rod Size, Welded Beam Attachment	36.56	9.02
26 05 29 00-0423	EA	1/2" Rod Size, Welded Beam Attachment	38.96	9.47
26 05 29 00-0424	EA	5/8" Rod Size, Welded Beam Attachment	41.45	10.01
26 05 29 00-0425	EA	3/4" Rod Size, Welded Beam Attachment	52.24	10.64
26 05 29 00-0426	EA	7/8" Rod Size, Welded Beam Attachment	62.24	11.27
26 05 29 00-0427	EA	1" Rod Size, Welded Beam Attachment	86.35	12.90
26 05 29 00-0428	EA	1-1/8" Rod Size, Welded Beam Attachment	120.88	13.53
26 05 29 00-0429		**C-Clamp Style Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	13.56	6.77
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	15.96	7.23
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	18.01	7.74
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	22.75	8.34
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	32.24	9.03
26 05 29 00-0435		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0420)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	34.94	9.03
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	50.50	9.86
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	71.34	10.84
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	85.17	12.04
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	202.32	13.55
26 05 29 00-0441		**Steel U-Bolts** *(26 05 29 00-0420)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	11.02	5.42
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	11.91	5.70
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	12.80	6.02
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	14.44	6.37
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.95	6.77
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	15.99	7.23
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	22.38	7.74
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	24.62	8.34
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	29.48	9.03
26 05 29 00-0451		**Stainless Steel Threaded Rod** *(26 05 29 00-0372)*		
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.15	0.45
		For 316 Stainless Steel, Add	*0.51*	
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.12	0.50
		For 316 Stainless Steel, Add	*0.86*	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.96	0.57
		For 316 Stainless Steel, Add	*1.15*	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.39	0.58
		For 316 Stainless Steel, Add	*1.71*	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.41	0.60
		For 316 Stainless Steel, Add	*2.11*	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.43	0.61
		For 316 Stainless Steel, Add	*3.33*	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.05	0.62
		For 316 Stainless Steel, Add	*4.78*	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	17.83	0.64
		For 316 Stainless Steel, Add	*6.70*	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	22.88	0.75
		For 316 Stainless Steel, Add	*8.65*	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	48.03	0.90
		For 316 Stainless Steel, Add	*18.69*	
26 05 29 00-0462		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0462)*		
26 05 29 00-0464		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	44.39	18.04
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.27	19.66
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.73	21.64
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.36	24.08
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.63	27.06
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.55	29.76
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.34	32.47
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.39	35.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.27	37.88
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	114.74	40.58
26 05 29 00-0475		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	47.15	18.04
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	50.15	19.66
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.34	21.64
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.36	24.08
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.40	27.06
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.23	29.76
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.84	32.47
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.70	35.17
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	110.45	37.88
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	115.30	40.58
26 05 29 00-0486		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0463)*		
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	44.83	17.86
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.31	19.48
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.55	21.64
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.42	23.81
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.20	27.06
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.07	29.76
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0462)*		
26 05 29 00-0494		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.84	0.54
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.24	0.54
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.60	0.54
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.20	0.54
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.05	0.54
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.99	0.54
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.90	0.54
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.95	0.54
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.38	0.54
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	59.91	0.54
26 05 29 00-0505		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.54	1.08
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.58	1.08
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.82	1.08
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.26	1.08
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.59	1.08
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.38	1.08
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.13	1.08
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.84	1.08
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.96	1.08
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.45	1.08
26 05 29 00-0516		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0462)*		
26 05 29 00-0517		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0516)*		
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.69	1.08
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	10.05	1.08
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.53	1.08
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.60	1.08
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.41	1.08
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	33.72	1.08
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	47.11	1.08
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	64.19	1.08
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.06	1.08
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.06	1.08
26 05 29 00-0528		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0462)*		
26 05 29 00-0529		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0528)*		
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	5.96	0.72
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	7.33	0.81
26 05 29 00-0532		**Attachments** *(26 05 29 00-0462)*		
26 05 29 00-0533		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0532)*		
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.13	5.42
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.60	5.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.34	6.05
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.25	6.41
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.23	6.77
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.09	7.23
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.13	7.77
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.44	8.31
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.23	9.03
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	44.43	10.30
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	54.76	11.92

26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps *(26 05 29 00-0532)*

26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	45.24	17.86
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	51.83	17.86
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	54.54	17.86
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	59.89	18.94
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	69.94	21.64

26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps *(26 05 29 00-0532)*

Note: Includes stainless steel nuts and bolts.

26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.32	5.95
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.23	6.49
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	18.76	7.03
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	21.18	8.12
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.21	9.20
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.77	9.74
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.61	10.82
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.90	11.90
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.98	12.45
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	40.05	13.53
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	43.01	15.15

26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0462)*

26 05 29 00-0564	LF	Polyvinyl Chloride (PVC) Coated Channel, A12	15.81	2.71
26 05 29 00-0565	LF	Polyvinyl Chloride (PVC) Coated Channel, A12A	27.68	3.79
26 05 29 00-0566	LF	Polyvinyl Chloride (PVC) Coated Channel, A12P	16.83	2.71
26 05 29 00-0567	LF	Polyvinyl Chloride (PVC) Coated Channel, C14	12.70	2.71
26 05 29 00-0568	LF	Polyvinyl Chloride (PVC) Coated Channel, C14P	13.33	2.71

26 05 29 00-0569 Polymer Concrete Pads *(26 05 29)*

Note: Excludes excavation and backfill.

26 05 29 00-0570 Polymer Concrete, Box Pads *(26 05 29 00-0569)*

26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	758.91	92.29
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	782.64	92.29
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,000.72	92.29
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,036.88	92.29
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	967.06	92.29
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,137.82	92.29
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,268.75	92.29
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,229.26	115.37
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	1,841.01	115.37
26 05 29 00-0580	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,455.79	115.37

26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads *(26 05 29 00-0569)*

26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	370.52	51.01
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	435.35	51.01
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	563.44	69.22
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	587.53	69.22
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	832.81	69.22
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	866.90	69.22
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	930.42	69.22
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	930.42	69.22
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,728.42	69.22
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,956.12	69.22

26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0569)*

26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	233.22	51.01
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	249.88	51.01
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	265.06	51.01
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	315.49	51.01
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	292.99	51.01
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	303.59	51.01
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	331.08	51.01
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	347.12	51.01
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	400.68	51.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	488.90	51.01
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	714.64	69.22
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	746.89	69.22
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	757.06	69.22
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	824.84	69.22
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,731.48	69.22
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,035.17	69.22

26 05 33 Raceway And Boxes For Electrical Systems *(26 05)*

26 05 33 13 Conduit For Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies *(26 05 33 13)*
Note: With fittings and wire.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*
Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and wire as indicated. Per CLF.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	645.14	201.51
		For Work In Restricted Working Space, Add	*172.75*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	703.50	218.82
		For Work In Restricted Working Space, Add	*187.59*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	683.26	210.16
		For Work In Restricted Working Space, Add	*180.17*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	754.32	230.36
		For Work In Restricted Working Space, Add	*197.48*	
26 05 33 13-0007	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	712.28	217.25
		For Work In Restricted Working Space, Add	*186.20*	
26 05 33 13-0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	770.62	234.56
		For Work In Restricted Working Space, Add	*201.04*	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	828.98	251.87
		For Work In Restricted Working Space, Add	*215.88*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	887.34	269.20
		For Work In Restricted Working Space, Add	*230.72*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	750.39	225.90
		For Work In Restricted Working Space, Add	*193.62*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	821.46	246.11
		For Work In Restricted Working Space, Add	*210.94*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	892.52	266.31
		For Work In Restricted Working Space, Add	*228.25*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	963.57	286.51
		For Work In Restricted Working Space, Add	*245.56*	
26 05 33 13-0015	CLF	1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	802.04	233.82
		For Work In Restricted Working Space, Add	*200.45*	
26 05 33 13-0016	CLF	1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	860.39	251.13
		For Work In Restricted Working Space, Add	*215.29*	
26 05 33 13-0017	CLF	1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	918.74	268.45
		For Work In Restricted Working Space, Add	*230.13*	
26 05 33 13-0018	CLF	1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	977.10	285.76
		For Work In Restricted Working Space, Add	*244.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0019	CLF	1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	840.17	242.48
		For Work In Restricted Working Space, Add	*207.87*	
26 05 33 13-0020	CLF	1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	911.22	262.68
		For Work In Restricted Working Space, Add	*225.18*	
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	982.28	282.88
		For Work In Restricted Working Space, Add	*242.50*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,053.35	303.08
		For Work In Restricted Working Space, Add	*259.81*	
26 05 33 13-0023		Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)* Note: Includes conduit, field bends, terminations, straps, and wire as indicated. Per CLF.		
26 05 33 13-0024	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	805.97	229.37
		For Work In Restricted Working Space, Add	*196.59*	
26 05 33 13-0025	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	864.32	246.68
		For Work In Restricted Working Space, Add	*211.43*	
26 05 33 13-0026	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	844.09	238.03
		For Work In Restricted Working Space, Add	*204.01*	
26 05 33 13-0027	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	915.15	258.23
		For Work In Restricted Working Space, Add	*221.32*	
26 05 33 13-0028	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	878.48	244.63
		For Work In Restricted Working Space, Add	*209.65*	
26 05 33 13-0029	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	936.84	261.94
		For Work In Restricted Working Space, Add	*224.49*	
26 05 33 13-0030	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	995.18	279.25
		For Work In Restricted Working Space, Add	*239.33*	
26 05 33 13-0031	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	916.60	253.28
		For Work In Restricted Working Space, Add	*217.07*	
26 05 33 13-0032	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	987.66	273.48
		For Work In Restricted Working Space, Add	*234.38*	
26 05 33 13-0033	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,058.73	293.68
		For Work In Restricted Working Space, Add	*251.70*	
26 05 33 13-0034	CLF	1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,107.08	292.11
		For Work In Restricted Working Space, Add	*250.39*	
26 05 33 13-0035	CLF	1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,165.43	309.43
		For Work In Restricted Working Space, Add	*265.23*	
26 05 33 13-0036	CLF	1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,223.77	326.74
		For Work In Restricted Working Space, Add	*280.07*	
26 05 33 13-0037	CLF	1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,157.91	303.66
		For Work In Restricted Working Space, Add	*260.28*	
26 05 33 13-0038	CLF	1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,228.97	323.85
		For Work In Restricted Working Space, Add	*277.60*	
26 05 33 13-0039	CLF	1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,300.03	344.05
		For Work In Restricted Working Space, Add	*294.91*	
26 05 33 13-0040		Conduit *(26 05 33 13)* Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041		Conduit Installed Above Grade *(26 05 33 13-0040)* See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042		Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0041)* Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0042)* Note: Includes field bending for conduit up to 1".		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0044	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.71	1.81
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.46*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0045	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.40	1.97
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.52*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.24*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0046	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.02	2.31
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.66*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.44*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0047	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.59	2.64
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.79*	
		For Installation In Metal Stud Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	
26 05 33 13-0048	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.09	2.97
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.92*	
		For Installation In Metal Stud Wall, Add	*0.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.86*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0049	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	13.97	3.63
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.17*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Installation Above 14', Add	*1.36*	
26 05 33 13-0050	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.50	4.95
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.74*	
		For Installation In Metal Stud Wall, Add	*1.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.09*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0051	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	26.83	6.60
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.27*	
		For Installation In Metal Stud Wall, Add	*1.65*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.12*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.47*	
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0052	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	33.23	8.25
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000, Deduct	*-2.81*	
		For Installation In Metal Stud Wall, Add	*2.06*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.09*	
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0053	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	39.42	9.89
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.32*	
		For Installation In Metal Stud Wall, Add	*2.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.19*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0054	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	61.09	12.53
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-3.80*	
		For >1,000, Deduct	*-5.33*	
		For Installation In Metal Stud Wall, Add	*3.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.83*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
		For Installation Above 14', Add	*4.70*	
26 05 33 13-0055	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	81.39	15.83
		For >250 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-7.15*	
		For Installation In Metal Stud Wall, Add	*3.96*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.89*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.94*	
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	

26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0057	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	67.72	18.22
		For Work In Restricted Working Space, Add	*13.65*	
		For Installation Above 14', Add	*6.83*	
26 05 33 13-0058	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	96.46	22.75
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
26 05 33 13-0059	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	136.42	31.00
		For Work In Restricted Working Space, Add	*23.25*	
		For Installation Above 14', Add	*11.62*	
26 05 33 13-0060	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	179.54	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Installation Above 14', Add	*13.11*	
26 05 33 13-0061	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	219.93	45.51
		For Work In Restricted Working Space, Add	*34.13*	
		For Installation Above 14', Add	*17.06*	
26 05 33 13-0062	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	359.72	74.21
		For Work In Restricted Working Space, Add	*55.66*	
		For Installation Above 14', Add	*27.83*	
26 05 33 13-0063	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	540.78	111.47
		For Work In Restricted Working Space, Add	*83.60*	
		For Installation Above 14', Add	*41.80*	

26 05 33 13-0064 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0065	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	24.37	8.16
		For Work In Restricted Working Space, Add	*6.14*	
		For Installation Above 14', Add	*3.07*	
26 05 33 13-0066	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	30.60	10.14
		For Work In Restricted Working Space, Add	*7.64*	
		For Installation Above 14', Add	*3.82*	
26 05 33 13-0067	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	38.95	12.45
		For Work In Restricted Working Space, Add	*9.31*	
		For Installation Above 14', Add	*4.65*	
26 05 33 13-0068	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	49.60	14.42
		For Work In Restricted Working Space, Add	*10.82*	
		For Installation Above 14', Add	*5.41*	
26 05 33 13-0069	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	57.53	16.57
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0070	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	67.72	18.22
		For Work In Restricted Working Space, Add	*13.65*	
		For Installation Above 14', Add	*6.83*	
26 05 33 13-0071	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	94.85	22.75
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
26 05 33 13-0072	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	130.16	31.00
		For Work In Restricted Working Space, Add	*23.25*	
		For Installation Above 14', Add	*11.62*	
26 05 33 13-0073	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	170.73	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Installation Above 14', Add	*13.11*	
26 05 33 13-0074	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	208.22	45.51
		For Work In Restricted Working Space, Add	*34.13*	
		For Installation Above 14', Add	*17.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0075	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	359.72	74.21
		For Work In Restricted Working Space, Add	*55.66*	
		For Installation Above 14', Add	*27.83*	
26 05 33 13-0076	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	540.78	111.47
		For Work In Restricted Working Space, Add	*83.60*	
		For Installation Above 14', Add	*41.80*	

26 05 33 13-0077 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0078	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	59.60	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0079	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	68.69	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0080	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	79.39	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0081	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	89.34	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	

26 05 33 13-0082 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0083	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	64.49	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0084	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	74.98	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0085	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	82.25	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0086	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	92.55	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0087	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	122.71	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0088	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	165.23	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	

26 05 33 13-0089 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	64.72	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	74.36	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	85.35	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	99.48	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	129.16	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	170.44	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	212.13	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	257.98	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	

26 05 33 13-0098 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0099	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	72.52	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0100	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	82.02	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0101	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	91.08	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0102	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	107.93	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0103	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	140.69	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0104	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	188.51	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0105	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	229.70	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0106	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	271.99	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	

26 05 33 13-0107 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0108	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	72.05	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0109	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	87.71	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0110	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	97.24	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0111	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	115.98	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0112	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	151.75	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0113	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	202.78	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0114	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	247.06	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0115	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	297.69	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	
26 05 33 13-0116	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	433.54	120.58
		For Work In Restricted Working Space, Add	*72.35*	
		For Installation Above 14', Add	*36.17*	

26 05 33 13-0117 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0118	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	76.22	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0119	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	90.51	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0120	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	108.04	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0121	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	122.27	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0122	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	164.86	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0123	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	214.98	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0124	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	269.49	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0125	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	309.78	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	
26 05 33 13-0126	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	532.20	120.58
		For Work In Restricted Working Space, Add	*72.35*	
		For Installation Above 14', Add	*36.17*	
26 05 33 13-0127	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	682.03	181.14
		For Work In Restricted Working Space, Add	*108.68*	
		For Installation Above 14', Add	*54.34*	

26 05 33 13-0128 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	82.32	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0130	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	97.96	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0131	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	115.97	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0132	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	130.55	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0133	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	174.89	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0134	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	232.86	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0135	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	287.42	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0136	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	361.38	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	
26 05 33 13-0137	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	603.38	120.58
		For Work In Restricted Working Space, Add	*72.35*	
		For Installation Above 14', Add	*36.17*	
26 05 33 13-0138	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	743.66	181.14
		For Work In Restricted Working Space, Add	*108.68*	
		For Installation Above 14', Add	*54.34*	

26 05 33 13-0139 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0140	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	87.40	20.37
		For Work In Restricted Working Space, Add	*12.22*	
		For Installation Above 14', Add	*6.11*	
26 05 33 13-0141	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	103.71	23.58
		For Work In Restricted Working Space, Add	*14.15*	
		For Installation Above 14', Add	*7.07*	
26 05 33 13-0142	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	120.98	26.79
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0143	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	146.03	29.48
		For Work In Restricted Working Space, Add	*17.69*	
		For Installation Above 14', Add	*8.84*	
26 05 33 13-0144	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	193.39	36.98
		For Work In Restricted Working Space, Add	*22.19*	
		For Installation Above 14', Add	*11.09*	
26 05 33 13-0145	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	250.88	50.38
		For Work In Restricted Working Space, Add	*30.23*	
		For Installation Above 14', Add	*15.11*	
26 05 33 13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	309.96	56.80
		For Work In Restricted Working Space, Add	*34.09*	
		For Installation Above 14', Add	*17.04*	
26 05 33 13-0147	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	388.76	73.95
		For Work In Restricted Working Space, Add	*44.37*	
		For Installation Above 14', Add	*22.19*	
26 05 33 13-0148	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	625.66	120.58
		For Work In Restricted Working Space, Add	*72.35*	
		For Installation Above 14', Add	*36.17*	
26 05 33 13-0149	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	756.13	181.14
		For Work In Restricted Working Space, Add	*108.68*	
		For Installation Above 14', Add	*54.34*	

26 05 33 13-0150 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0042)*

26 05 33 13-0151	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	10.78	5.25
		For Work In Restricted Working Space, Add	*3.15*	
		For Installation Above 14', Add	*1.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.15*	
26 05 33 13-0152	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	11.58	5.60
		For Work In Restricted Working Space, Add	*3.37*	
		For Installation Above 14', Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 33 13-0153	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.16	6.30
		For Work In Restricted Working Space, Add	*3.78*	
		For Installation Above 14', Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-0154	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	14.81	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0155	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.61	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Installation Above 14', Add	*2.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0156	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	23.04	10.51
		For Work In Restricted Working Space, Add	*6.31*	
		For Installation Above 14', Add	*3.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.31*	
26 05 33 13-0157	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	29.00	12.27
		For Work In Restricted Working Space, Add	*7.36*	
		For Installation Above 14', Add	*3.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.36*	
26 05 33 13-0158	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	32.75	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0159	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.08	13.19
		For Work In Restricted Working Space, Add	*9.46*	
		For Installation Above 14', Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 33 13-0160	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	42.25	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Installation Above 14', Add	*5.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0161	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	50.84	19.28
		For Work In Restricted Working Space, Add	*11.56*	
		For Installation Above 14', Add	*5.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.56*	
26 05 33 13-0162	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	73.19	21.02
		For Work In Restricted Working Space, Add	*12.62*	
		For Installation Above 14', Add	*6.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.62*	

26 05 33 13-0163 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0042)*

26 05 33 13-0164	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	13.05	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0165	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	14.19	6.60
		For Work In Restricted Working Space, Add	*3.96*	
		For Installation Above 14', Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-0166	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	16.58	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0167	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	18.63	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0168	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	23.78	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0169	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	28.15	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0170	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	39.56	14.42
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0171	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	47.03	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-0172	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	69.90	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0173	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	94.43	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0174	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	126.04	22.67
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-0175	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	185.66	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0176		**Rigid Galvanized Steel (RGS) Steel Insulated Bushing** *(26 05 33 13-0042)*		
26 05 33 13-0177	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	13.86	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0178	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	15.40	6.60
		For Work In Restricted Working Space, Add	*3.96*	
		For Installation Above 14', Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-0179	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.11	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0180	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.22	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0181	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	26.47	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0182	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	32.93	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0183	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	46.04	14.42
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0184	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	54.62	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-0185	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	71.32	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0186	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	100.76	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0187	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	132.94	22.67
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-0188	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	188.09	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-0189		**Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing** *(26 05 33 13-0042)*		
26 05 33 13-0190	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	20.86	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0191	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	23.35	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0192	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	26.70	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0193	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	31.68	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0194	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	38.34	12.78
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0195	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	48.26	15.26
		For Work In Restricted Working Space, Add	*9.15*	
		For Installation Above 14', Add	*4.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.15*	
26 05 33 13-0196	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	64.45	17.72
		For Work In Restricted Working Space, Add	*10.64*	
		For Installation Above 14', Add	*5.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.64*	
26 05 33 13-0197	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	71.15	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0198		EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	80.44	23.08
			For Work In Restricted Working Space, Add	*13.85*	
			For Installation Above 14', Add	*6.93*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 05 33 13-0199		EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	103.57	25.56
			For Work In Restricted Working Space, Add	*15.34*	
			For Installation Above 14', Add	*7.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 05 33 13-0200		EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	146.34	28.04
			For Work In Restricted Working Space, Add	*16.82*	
			For Installation Above 14', Add	*8.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 05 33 13-0201		EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	201.01	30.91
			For Work In Restricted Working Space, Add	*18.55*	
			For Installation Above 14', Add	*9.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	

26 05 33 13-0202 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0042)*

26 05 33 13-0203		EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	11.30	3.79
			For Work In Restricted Working Space, Add	*2.82*	
			For Installation Above 14', Add	*1.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-0204		EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	13.52	4.37
			For Work In Restricted Working Space, Add	*3.27*	
			For Installation Above 14', Add	*1.64*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 33 13-0205		EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.31	5.27
			For Work In Restricted Working Space, Add	*3.94*	
			For Installation Above 14', Add	*1.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0206		EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	24.53	6.52
			For Work In Restricted Working Space, Add	*4.90*	
			For Installation Above 14', Add	*2.45*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 05 33 13-0207		EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	33.12	8.74
			For Work In Restricted Working Space, Add	*6.56*	
			For Installation Above 14', Add	*3.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0208		EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	54.83	13.11
			For Work In Restricted Working Space, Add	*9.83*	
			For Installation Above 14', Add	*4.91*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.83*	
26 05 33 13-0209		EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	90.89	14.51
			For Work In Restricted Working Space, Add	*10.88*	
			For Installation Above 14', Add	*5.44*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 05 33 13-0210		EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	108.58	17.56
			For Work In Restricted Working Space, Add	*13.18*	
			For Installation Above 14', Add	*6.59*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-0211		EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	145.27	22.01
			For Work In Restricted Working Space, Add	*16.50*	
			For Installation Above 14', Add	*8.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.50*	
26 05 33 13-0212		EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	170.72	26.38
			For Work In Restricted Working Space, Add	*19.79*	
			For Installation Above 14', Add	*9.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0213		EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	285.04	29.35
			For Work In Restricted Working Space, Add	*21.99*	
			For Installation Above 14', Add	*10.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.99*	
26 05 33 13-0214		EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	338.76	32.98
			For Work In Restricted Working Space, Add	*24.73*	
			For Installation Above 14', Add	*12.36*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	

26 05 33 13-0215 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0042)*

26 05 33 13-0216		EA	1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	11.51	5.36
			For Work In Restricted Working Space, Add	*3.22*	
			For Installation Above 14', Add	*1.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0217		EA	3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	13.25	6.18
			For Work In Restricted Working Space, Add	*3.71*	
			For Installation Above 14', Add	*1.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0218		EA	1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	16.90	7.83
			For Work In Restricted Working Space, Add	*4.70*	
			For Installation Above 14', Add	*2.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0219	EA	1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	19.70	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0220	EA	1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	22.47	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0221	EA	1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.57	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0222	EA	3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.35	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0223	EA	1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	17.01	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0224	EA	1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	19.85	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0225	EA	1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	22.71	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0226	EA	2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	25.61	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0227	EA	1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	11.64	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0228	EA	3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	13.44	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0229	EA	1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	17.16	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0230	EA	1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	19.98	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0231	EA	1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	22.87	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0232	EA	2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	26.01	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0233	EA	2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	34.08	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0234	EA	3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	46.19	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0235	EA	1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.72	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0236	EA	3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.49	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0237	EA	1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	17.37	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0238	EA	1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	20.24	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0239	EA	1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.21	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0240	EA	2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	26.42	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0241	EA	2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	35.18	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0242	EA	3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	47.15	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0243	EA	1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.81	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0244	EA	3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	13.64	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0245	EA	1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	17.49	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0246	EA	1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	20.36	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0247	EA	1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	23.44	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0248	EA	2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	26.77	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0249	EA	2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	35.52	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0250	EA	3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	47.85	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0251	EA	3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	54.77	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0252	EA	4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	69.32	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0253	EA	1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	11.94	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0254	EA	3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	13.83	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0255	EA	1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	17.73	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0256	EA	1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	20.71	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0257	EA	1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	23.78	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0258	EA	2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	27.38	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0259	EA	2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	36.89	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0260	EA	3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	49.33	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0261	EA	3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	56.24	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0262	EA	4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	71.46	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0263	EA	5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	106.63	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Installation Above 14', Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0264	EA	6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	135.77	50.21
		For Work In Restricted Working Space, Add	*30.15*	
		For Installation Above 14', Add	*15.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-0265	EA	1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	12.17	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0266	EA	3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	14.07	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0267	EA	1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	17.92	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0268	EA	1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	21.04	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0269	EA	1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	24.51	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0270	EA	2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	28.00	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0271	EA	2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	38.08	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0272	EA	3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	50.83	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0273	EA	3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	58.03	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0274	EA	4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	73.17	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0275	EA	5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	109.12	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Installation Above 14', Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0276	EA	6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	139.42	50.21
		For Work In Restricted Working Space, Add	*30.15*	
		For Installation Above 14', Add	*15.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-0277	EA	1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	13.04	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0278	EA	3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	15.18	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0279	EA	1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	19.22	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0280	EA	1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	22.89	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0281	EA	1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	26.57	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0282	EA	2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	30.17	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0283	EA	2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	41.25	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0284	EA	3" x 8" Long Rigid Galvanized Steel (RGS) Nipple	54.47	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0285	EA	3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	61.66	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0286	EA	4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	77.18	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0287	EA	5" x 8" Long Rigid Galvanized Steel (RGS) Nipple	114.91	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Installation Above 14', Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0288	EA	6" x 8" Long Rigid Galvanized Steel (RGS) Nipple	145.91	50.21
		For Work In Restricted Working Space, Add	*30.15*	
		For Installation Above 14', Add	*15.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-0289	EA	1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	13.62	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0290	EA	3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	15.74	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0291	EA	1" x 10" Long Rigid Galvanized Steel (RGS) Nipple	20.26	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0292	EA	1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	24.12	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0293	EA	1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	27.78	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0294	EA	2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	31.58	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0295	EA	2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	43.38	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0296	EA	3" x 10" Long Rigid Galvanized Steel (RGS) Nipple	57.33	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0297	EA	3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	65.43	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0298	EA	4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	81.95	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0299	EA	5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	121.21	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Installation Above 14', Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0300	EA	6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	157.26	50.21
		For Work In Restricted Working Space, Add	*30.15*	
		For Installation Above 14', Add	*15.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-0301	EA	1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	14.06	5.36
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0302	EA	3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	16.16	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	20.88	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0304	EA	1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	25.10	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0305	EA	1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	28.39	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0306	EA	2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	32.75	11.55
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0307	EA	2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	45.89	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-0308	EA	3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	61.31	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-0309	EA	3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	69.09	21.85
		For Work In Restricted Working Space, Add	*13.11*	
		For Installation Above 14', Add	*6.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-0310	EA	4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	86.72	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0311	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	130.28	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Installation Above 14', Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0312	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	163.57	50.21
		For Work In Restricted Working Space, Add	*30.15*	
		For Installation Above 14', Add	*15.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	

26 05 33 13-0313 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0042)*

26 05 33 13-0314	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	11.81	4.29
		For Work In Restricted Working Space, Add	*3.24*	
		For Installation Above 14', Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.24*	
26 05 33 13-0315	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.84	4.95
		For Work In Restricted Working Space, Add	*3.69*	
		For Installation Above 14', Add	*1.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.69*	
26 05 33 13-0316	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.49	6.26
		For Work In Restricted Working Space, Add	*4.72*	
		For Installation Above 14', Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 05 33 13-0317	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	21.69	7.50
		For Work In Restricted Working Space, Add	*5.66*	
		For Installation Above 14', Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 05 33 13-0318	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	23.75	8.25
		For Work In Restricted Working Space, Add	*6.19*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 33 13-0319	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	30.36	10.14
		For Work In Restricted Working Space, Add	*7.62*	
		For Installation Above 14', Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-0320	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	49.48	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0321	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	75.61	22.75
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-0322	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	92.13	26.87
		For Work In Restricted Working Space, Add	*20.05*	
		For Installation Above 14', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.05*	
26 05 33 13-0323	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	109.33	31.00
		For Work In Restricted Working Space, Add	*23.25*	
		For Installation Above 14', Add	*11.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.25*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0324		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0042)*			
		Note: Erickson fittings.			
26 05 33 13-0325	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		34.90	13.19
		For Work In Restricted Working Space, Add		*9.91*	
		For Installation Above 14', Add		*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.91*	
26 05 33 13-0326	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		39.26	14.75
		For Work In Restricted Working Space, Add		*11.06*	
		For Installation Above 14', Add		*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.06*	
26 05 33 13-0327	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		45.49	16.41
		For Work In Restricted Working Space, Add		*12.32*	
		For Installation Above 14', Add		*6.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.32*	
26 05 33 13-0328	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		54.39	17.97
		For Work In Restricted Working Space, Add		*13.48*	
		For Installation Above 14', Add		*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.48*	
26 05 33 13-0329	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		60.50	19.63
		For Work In Restricted Working Space, Add		*14.75*	
		For Installation Above 14', Add		*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*14.75*	
26 05 33 13-0330	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		75.96	21.27
		For Work In Restricted Working Space, Add		*15.97*	
		For Installation Above 14', Add		*7.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*15.97*	
26 05 33 13-0331	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		118.61	26.38
		For Work In Restricted Working Space, Add		*19.79*	
		For Installation Above 14', Add		*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*19.79*	
26 05 33 13-0332	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		162.36	32.98
		For Work In Restricted Working Space, Add		*24.73*	
		For Installation Above 14', Add		*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*24.73*	
26 05 33 13-0333	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		232.09	39.57
		For Work In Restricted Working Space, Add		*29.69*	
		For Installation Above 14', Add		*14.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*29.69*	
26 05 33 13-0334	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		263.71	42.87
		For Work In Restricted Working Space, Add		*32.15*	
		For Installation Above 14', Add		*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*32.15*	
26 05 33 13-0335	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		453.18	52.76
		For Work In Restricted Working Space, Add		*39.57*	
		For Installation Above 14', Add		*19.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*39.57*	
26 05 33 13-0336	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)		580.75	61.01
		For Work In Restricted Working Space, Add		*45.75*	
		For Installation Above 14', Add		*22.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*45.75*	
26 05 33 13-0337		Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0042)*			
26 05 33 13-0338	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		19.19	6.60
		For Work In Restricted Working Space, Add		*4.95*	
		For Installation Above 14', Add		*2.47*	
26 05 33 13-0339	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		21.34	7.26
		For Work In Restricted Working Space, Add		*5.44*	
		For Installation Above 14', Add		*2.72*	
26 05 33 13-0340	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		24.43	8.25
		For Work In Restricted Working Space, Add		*6.19*	
		For Installation Above 14', Add		*3.09*	
26 05 33 13-0341	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		27.28	8.90
		For Work In Restricted Working Space, Add		*6.68*	
		For Installation Above 14', Add		*3.34*	
26 05 33 13-0342	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		31.74	9.89
		For Work In Restricted Working Space, Add		*7.42*	
		For Installation Above 14', Add		*3.71*	
26 05 33 13-0343	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		37.56	10.89
		For Work In Restricted Working Space, Add		*8.16*	
		For Installation Above 14', Add		*4.08*	
26 05 33 13-0344	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		49.57	13.19
		For Work In Restricted Working Space, Add		*9.89*	
		For Installation Above 14', Add		*4.95*	
26 05 33 13-0345	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		61.47	16.49
		For Work In Restricted Working Space, Add		*12.37*	
		For Installation Above 14', Add		*6.18*	
26 05 33 13-0346	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		73.82	19.79
		For Work In Restricted Working Space, Add		*14.84*	
		For Installation Above 14', Add		*7.42*	
26 05 33 13-0347	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector		82.52	21.44
		For Work In Restricted Working Space, Add		*16.08*	
		For Installation Above 14', Add		*8.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0348		Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0042)*		
26 05 33 13-0349	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	18.16	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0350	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	20.22	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0351	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	24.99	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0352	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	30.69	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0353	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	39.52	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-0354	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	45.84	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0355	EA	2-1/2" Water Tight Conduit Hubs	56.06	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0356	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	75.19	25.97
		For Work In Restricted Working Space, Add	*15.58*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 05 33 13-0357	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	89.36	31.33
		For Work In Restricted Working Space, Add	*18.80*	
		For Installation Above 14', Add	*9.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.80*	
26 05 33 13-0358	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	109.41	37.10
		For Work In Restricted Working Space, Add	*22.26*	
		For Installation Above 14', Add	*11.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.26*	
26 05 33 13-0359		Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0042)*		
		Note: Type AX		
26 05 33 13-0360	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	83.20	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0361	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	94.42	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
26 05 33 13-0362	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	111.74	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0363	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	136.68	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
26 05 33 13-0364	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	171.53	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0365	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	236.68	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	361.93	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0367	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	463.64	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	676.20	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
26 05 33 13-0369	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	720.88	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	
26 05 33 13-0370	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,103.20	52.76
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
26 05 33 13-0371	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,354.73	58.54
		For Work In Restricted Working Space, Add	*43.93*	
		For Installation Above 14', Add	*21.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372		Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0042)*		
		Note: Type AX-8		
26 05 33 13-0373	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	91.59	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0374	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	101.85	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
26 05 33 13-0375	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	123.41	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0376	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	155.06	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
26 05 33 13-0377	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	208.05	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0378	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	254.13	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0379	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	475.05	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0380	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	540.88	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0381	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	828.85	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
26 05 33 13-0382	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	897.32	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	
26 05 33 13-0383	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,251.93	52.76
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
26 05 33 13-0384	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,546.08	58.54
		For Work In Restricted Working Space, Add	*43.93*	
		For Installation Above 14', Add	*21.96*	
26 05 33 13-0385		Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0042)*		
		Note: Type EX		
26 05 33 13-0386	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	103.88	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0387	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	130.82	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
26 05 33 13-0388	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	162.54	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0389	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	197.43	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
26 05 33 13-0390	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	265.42	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0391	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	364.99	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0392	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	566.32	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0393	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	763.11	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0394	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,144.93	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
26 05 33 13-0395	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,185.21	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	
26 05 33 13-0396	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,782.62	52.76
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
26 05 33 13-0397	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,209.28	58.54
		For Work In Restricted Working Space, Add	*43.93*	
		For Installation Above 14', Add	*21.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0398		Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0042)* Note: Type DX		
26 05 33 13-0399	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	179.63	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0400	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	213.89	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
26 05 33 13-0401	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	258.41	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0402	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	303.66	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
26 05 33 13-0403	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	335.77	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0404	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	414.67	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0405	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	547.88	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0406	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	694.76	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0407	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	781.99	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
26 05 33 13-0408	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	947.74	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	
26 05 33 13-0409	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,618.87	52.76
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
26 05 33 13-0410	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,571.43	58.54
		For Work In Restricted Working Space, Add	*43.93*	
		For Installation Above 14', Add	*21.96*	
26 05 33 13-0411		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0042)*		
26 05 33 13-0412	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	46.72	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0413	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	53.91	8.25
		For Work In Restricted Working Space, Add	*6.19*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0414	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	66.42	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0415	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	93.22	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0416	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	141.23	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0417	EA	5" To 6" Conduit, 14" Bonding Jumper	240.27	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0418	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	51.90	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0419	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	60.45	8.25
		For Work In Restricted Working Space, Add	*6.19*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0420	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	72.41	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0421	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	101.18	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0422	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	151.78	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0423	EA	5" To 6" Conduit, 24" Bonding Jumper	274.31	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0424		Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0042)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0425	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	59.97	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0426	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	71.48	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-0427	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	86.01	28.86
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-0428	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	100.31	32.98
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0429	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	125.93	37.10
		For Work In Restricted Working Space, Add	*22.26*	
		For Installation Above 14', Add	*11.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.26*	
26 05 33 13-0430	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	149.45	41.23
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0431	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	203.04	49.47
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-0432	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	242.60	57.72
		For Work In Restricted Working Space, Add	*34.63*	
		For Installation Above 14', Add	*17.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.63*	
26 05 33 13-0433	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	498.72	65.96
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.58*	
26 05 33 13-0434	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	572.92	74.21
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	

26 05 33 13-0435 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0042)*

26 05 33 13-0436	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	10.87	4.95
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0437	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	15.24	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
26 05 33 13-0438	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	20.02	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
26 05 33 13-0439	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	22.98	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0440	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	27.71	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0441	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	32.46	14.01
		For Work In Restricted Working Space, Add	*8.41*	
		For Installation Above 14', Add	*4.21*	
26 05 33 13-0442	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	41.26	15.67
		For Work In Restricted Working Space, Add	*9.40*	
		For Installation Above 14', Add	*4.70*	
26 05 33 13-0443	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	48.36	17.72
		For Work In Restricted Working Space, Add	*10.64*	
		For Installation Above 14', Add	*5.32*	
26 05 33 13-0444	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	56.19	19.38
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
26 05 33 13-0445	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	59.40	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	

26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0042)*

26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.52	0.82
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.48	1.23
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.77	2.06
26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	8.35	2.89
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	10.01	3.30
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	11.76	3.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0453		**Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0042)*		
26 05 33 13-0454	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	99.68	10.01
		For Work In Restricted Working Space, Add	*7.50*	
		For Installation Above 14', Add	*3.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.50*	
26 05 33 13-0455	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	102.09	10.97
		For Work In Restricted Working Space, Add	*8.23*	
		For Installation Above 14', Add	*4.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 05 33 13-0456	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	121.43	12.04
		For Work In Restricted Working Space, Add	*9.01*	
		For Installation Above 14', Add	*4.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.01*	
26 05 33 13-0457	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	133.31	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.90*	
26 05 33 13-0458	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	151.89	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0459	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	219.56	16.49
		For Work In Restricted Working Space, Add	*12.38*	
		For Installation Above 14', Add	*6.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.38*	
26 05 33 13-0460	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	255.60	22.01
		For Work In Restricted Working Space, Add	*16.50*	
		For Installation Above 14', Add	*8.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.50*	
26 05 33 13-0461	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	283.32	24.16
		For Work In Restricted Working Space, Add	*18.13*	
		For Installation Above 14', Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 05 33 13-0462	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	327.87	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0463	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	369.54	29.68
		For Work In Restricted Working Space, Add	*22.26*	
		For Installation Above 14', Add	*11.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.26*	
26 05 33 13-0464	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	489.22	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0465	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	604.17	36.61
		For Work In Restricted Working Space, Add	*27.46*	
		For Installation Above 14', Add	*13.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.46*	
26 05 33 13-0466		**Rigid Galvanized Steel (RGS) Reducing Bushings** *(26 05 33 13-0042)*		
26 05 33 13-0467	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	13.45	6.39
		For Work In Restricted Working Space, Add	*3.83*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-0468	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	14.83	6.81
		For Work In Restricted Working Space, Add	*4.08*	
		For Installation Above 14', Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.08*	
26 05 33 13-0469	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	15.24	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0470	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	17.62	7.22
		For Work In Restricted Working Space, Add	*4.33*	
		For Installation Above 14', Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-0471	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.05	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0472	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	18.87	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0473	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.37	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0474	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	20.78	8.45
		For Work In Restricted Working Space, Add	*5.07*	
		For Installation Above 14', Add	*2.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0475	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	21.60	8.86
		For Work In Restricted Working Space, Add	*5.32*	
		For Installation Above 14', Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.32*	
26 05 33 13-0476	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	22.43	9.27
		For Work In Restricted Working Space, Add	*5.57*	
		For Installation Above 14', Add	*2.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0477	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.06	9.27
		For Work In Restricted Working Space, Add	*5.57*	
		For Installation Above 14', Add	*2.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0478	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	27.47	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Installation Above 14', Add	*2.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0479	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	28.30	9.89
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0480	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	29.12	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0481	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	31.18	11.34
		For Work In Restricted Working Space, Add	*6.80*	
		For Installation Above 14', Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0482	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	39.40	13.40
		For Work In Restricted Working Space, Add	*8.04*	
		For Installation Above 14', Add	*4.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	

26 05 33 13-0483 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0042)*

26 05 33 13-0484	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	1.71	0.82
		For Work In Restricted Working Space, Add	*0.50*	
		For Installation Above 14', Add	*0.25*	
26 05 33 13-0485	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.57	1.23
		For Work In Restricted Working Space, Add	*0.74*	
		For Installation Above 14', Add	*0.37*	
26 05 33 13-0486	EA	1" Rigid Galvanized Steel (RGS) Locknuts	4.27	2.06
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0487	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	6.01	2.89
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0488	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.91	3.30
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	
26 05 33 13-0489	EA	2" Rigid Galvanized Steel (RGS) Locknuts	7.80	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0490	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.90	4.95
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0491	EA	3" Rigid Galvanized Steel (RGS) Locknuts	13.48	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0492	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.86	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
26 05 33 13-0493	EA	4" Rigid Galvanized Steel (RGS) Locknuts	17.80	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	

26 05 33 13-0494 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0042)*

26 05 33 13-0495	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.57	0.82
		For Work In Restricted Working Space, Add	*0.50*	
		For Installation Above 14', Add	*0.25*	
26 05 33 13-0496	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.59	1.23
		For Work In Restricted Working Space, Add	*0.74*	
		For Installation Above 14', Add	*0.37*	
26 05 33 13-0497	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.70	2.06
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0498	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.97	2.89
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0499	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.01	3.30
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0500	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	10.57	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0501	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.74	4.95
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0502	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	19.80	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0503	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	26.07	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
26 05 33 13-0504	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	31.22	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
26 05 33 13-0505		Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0042)*		
26 05 33 13-0506	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	7.26	2.48
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0507	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.10	3.30
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	
26 05 33 13-0508	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	11.62	4.12
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
26 05 33 13-0509	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	16.96	6.60
		For Work In Restricted Working Space, Add	*3.96*	
		For Installation Above 14', Add	*1.98*	
26 05 33 13-0510	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	19.11	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
26 05 33 13-0511	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	21.71	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0512	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	29.89	9.89
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
26 05 33 13-0513	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	36.30	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	44.93	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0515	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	54.73	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0516		Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0042)*		
26 05 33 13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	16.47	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
26 05 33 13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	19.10	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0519	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	24.68	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0520	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	32.40	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0521	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	43.59	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0522	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	61.59	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0523	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	96.43	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0524	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	119.97	28.86
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0525	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	151.44	35.04
		For Work In Restricted Working Space, Add	*21.03*	
		For Installation Above 14', Add	*10.51*	
26 05 33 13-0526	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	182.03	41.23
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0527		Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0042)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0528	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	23.22	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0529	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	28.93	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0530	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	40.28	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0531	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	52.04	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0532	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	63.55	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0533	EA	2" Rigid Galvanized Steel (RGS) Compression Connector	88.50	28.86
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
26 05 33 13-0534	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	130.80	32.98
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0535	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	142.79	28.45
		For Work In Restricted Working Space, Add	*17.06*	
		For Installation Above 14', Add	*8.53*	
26 05 33 13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	199.66	43.28
		For Work In Restricted Working Space, Add	*25.97*	
		For Installation Above 14', Add	*12.99*	
26 05 33 13-0537	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	243.64	49.47
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	

26 05 33 13-0538 Rigid Galvanized Steel (RGS) Knock Out Seal *(26 05 33 13-0042)*

26 05 33 13-0539	EA	1/2" Snap-in Knock Out Seal	4.32	2.06
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0540	EA	3/4" Snap-in Knock Out Seal	5.21	2.48
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0541	EA	1" Snap-in Knock Out Seal	6.18	2.89
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0542	EA	1-1/4" Snap-in Knock Out Seal	7.95	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0543	EA	1-1/2" Snap-in Knock Out Seal	8.99	4.12
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
26 05 33 13-0544	EA	2" Snap-in Knock Out Seal	10.94	4.95
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0545	EA	2-1/2" 3-Piece Knock Out Seal	14.82	6.18
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0546	EA	3" 3-Piece Knock Out Seal	17.12	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
26 05 33 13-0547	EA	3-1/2" 3-Piece Knock Out Seal	19.28	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
26 05 33 13-0548	EA	4" 3-Piece Knock Out Seal	22.08	8.66
		For Work In Restricted Working Space, Add	*5.19*	
		For Installation Above 14', Add	*2.60*	

26 05 33 13-0549 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0042)*

26 05 33 13-0550	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	10.19	4.95
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-0551	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	12.05	5.77
		For Work In Restricted Working Space, Add	*3.47*	
		For Installation Above 14', Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-0552	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	15.10	7.01
		For Work In Restricted Working Space, Add	*4.20*	
		For Installation Above 14', Add	*2.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	18.39	8.25
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	23.05	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0555	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	28.70	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	36.39	14.42
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0557	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	40.71	16.49
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-0558	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	50.76	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0559	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	69.86	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 05 33 13-0560 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0042)*

26 05 33 13-0561	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	20.04	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
26 05 33 13-0562	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	23.27	8.66
		For Work In Restricted Working Space, Add	*5.19*	
		For Installation Above 14', Add	*2.60*	
26 05 33 13-0563	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	29.69	9.89
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
26 05 33 13-0564	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	38.07	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0565	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	50.84	14.85
		For Work In Restricted Working Space, Add	*8.90*	
		For Installation Above 14', Add	*4.45*	
26 05 33 13-0566	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	68.12	17.31
		For Work In Restricted Working Space, Add	*10.39*	
		For Installation Above 14', Add	*5.19*	
26 05 33 13-0567	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	94.86	19.79
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
26 05 33 13-0568	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	166.60	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	

26 05 33 13-0569 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0570 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0569)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-0571	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	4.08	1.48
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000, Deduct	*-0.32*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.93*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.11*	
		For Installation Above 14', Add	*0.56*	
		For Factory Applied Color Coating, Add	*0.11*	
26 05 33 13-0572	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	4.70	1.65
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.37*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.03*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
		For Factory Applied Color Coating, Add	*0.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0573	LF	1" Electrical Metallic Tubing (EMT) Conduit	5.49	1.81
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000, Deduct	*-0.44*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation Above 14', Add	*0.68*	
		For Factory Applied Color Coating, Add	*0.29*	
26 05 33 13-0574	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	6.62	2.04
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Installation Above 14', Add	*0.77*	
		For Factory Applied Color Coating, Add	*0.45*	
26 05 33 13-0575	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	7.65	2.31
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.62*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.44*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
		For Factory Applied Color Coating, Add	*0.56*	
26 05 33 13-0576	LF	2" Electrical Metallic Tubing (EMT) Conduit	8.83	2.64
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	
		For Factory Applied Color Coating, Add	*0.67*	
26 05 33 13-0577	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	11.14	3.14
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.92*	
		For Installation In Metal Stud Wall, Add	*0.78*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.96*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.17*	
		For Work In Restricted Working Space, Add	*2.35*	
		For Installation Above 14', Add	*1.17*	
		For Factory Applied Color Coating, Add	*0.99*	
26 05 33 13-0578	LF	3" Electrical Metallic Tubing (EMT) Conduit	13.21	3.63
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.09*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Installation Above 14', Add	*1.36*	
		For Factory Applied Color Coating, Add	*1.24*	
26 05 33 13-0579	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	16.25	4.29
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.36*	
		For Installation In Metal Stud Wall, Add	*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.68*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	
		For Installation Above 14', Add	*1.61*	
		For Factory Applied Color Coating, Add	*1.66*	
26 05 33 13-0580	LF	4" Electrical Metallic Tubing (EMT) Conduit	21.52	6.34
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.76*	
		For Installation In Metal Stud Wall, Add	*1.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.96*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.38*	
		For Work In Restricted Working Space, Add	*4.76*	
		For Installation Above 14', Add	*2.38*	
		For Factory Applied Color Coating, Add	*1.70*	

26 05 33 13-0581 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0569)*
See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0582 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0569)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.32	1.97
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0584	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.23	1.97
		For Work In Restricted Working Space, Add	*1.48*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0585	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.21	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0586	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.39	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0587	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	10.35	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Installation Above 14', Add	*1.36*	
26 05 33 13-0588	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.07	4.95
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0589	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.47	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0590	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	25.24	7.59
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0591	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	28.41	8.25
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0592	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	80.94	22.98
		For Work In Restricted Working Space, Add	*22.32*	
		For Installation Above 14', Add	*11.16*	

26 05 33 13-0593 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0569)*

26 05 33 13-0594	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	5.44	1.97
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0595	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	6.31	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0596	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	9.00	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
26 05 33 13-0597	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	11.46	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0598	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	13.75	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Installation Above 14', Add	*1.73*	
26 05 33 13-0599	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	18.32	5.93
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
26 05 33 13-0600	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	28.84	7.92
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
26 05 33 13-0601	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	33.37	9.23
		For Work In Restricted Working Space, Add	*6.92*	
		For Installation Above 14', Add	*3.46*	
26 05 33 13-0602	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	41.73	11.55
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
26 05 33 13-0603	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	53.52	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	

26 05 33 13-0604 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0569)*

26 05 33 13-0605	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	4.28	1.65
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-0606	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.20	1.97
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.49*	
26 05 33 13-0607	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.21	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-0608	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.07	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0609	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	11.08	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-0610	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	14.13	4.95
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0611	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	21.38	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0612	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	26.59	8.25
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0613	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.46	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0614	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	36.64	11.55
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	

26 05 33 13-0615 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0569)*

26 05 33 13-0616	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	5.78	2.23
		For Work In Restricted Working Space, Add	*1.66*	
		For Installation Above 14', Add	*0.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-0617	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.43	2.40
		For Work In Restricted Working Space, Add	*1.80*	
		For Installation Above 14', Add	*0.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.80*	
26 05 33 13-0618	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.08	2.97
		For Work In Restricted Working Space, Add	*2.20*	
		For Installation Above 14', Add	*1.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.20*	
26 05 33 13-0619	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.64	3.79
		For Work In Restricted Working Space, Add	*2.82*	
		For Installation Above 14', Add	*1.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-0620	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.62	4.37
		For Work In Restricted Working Space, Add	*3.29*	
		For Installation Above 14', Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0621	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.45	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Installation Above 14', Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-0622	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	25.71	7.34
		For Work In Restricted Working Space, Add	*5.49*	
		For Installation Above 14', Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-0623	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	33.27	9.73
		For Work In Restricted Working Space, Add	*7.32*	
		For Installation Above 14', Add	*3.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.32*	
26 05 33 13-0624	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	42.49	12.53
		For Work In Restricted Working Space, Add	*9.42*	
		For Installation Above 14', Add	*4.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-0625	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	53.42	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 05 33 13-0626 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0569)*

26 05 33 13-0627	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.20	1.97
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.49*	
26 05 33 13-0628	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.16	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-0629	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.80	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0630	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.92	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-0631	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	13.00	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Installation Above 14', Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-0632	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.95	5.93
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0633	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	26.12	7.92
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0634	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	33.02	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0635	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	41.62	11.55
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0636	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	46.82	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	

26 05 33 13-0637 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0569)*

26 05 33 13-0638	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	5.95	2.23
		For Work In Restricted Working Space, Add	*1.66*	
		For Installation Above 14', Add	*0.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-0639	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	6.61	2.40
		For Work In Restricted Working Space, Add	*1.80*	
		For Installation Above 14', Add	*0.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.80*	
26 05 33 13-0640	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.24	2.97
		For Work In Restricted Working Space, Add	*2.20*	
		For Installation Above 14', Add	*1.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.20*	
26 05 33 13-0641	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.07	3.79
		For Work In Restricted Working Space, Add	*2.82*	
		For Installation Above 14', Add	*1.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-0642	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	13.34	4.37
		For Work In Restricted Working Space, Add	*3.29*	
		For Installation Above 14', Add	*1.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.29*	
26 05 33 13-0643	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	16.50	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Installation Above 14', Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-0644	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	29.53	7.34
		For Work In Restricted Working Space, Add	*5.49*	
		For Installation Above 14', Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-0645	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	39.69	9.73
		For Work In Restricted Working Space, Add	*7.32*	
		For Installation Above 14', Add	*3.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.32*	
26 05 33 13-0646	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	53.74	12.53
		For Work In Restricted Working Space, Add	*9.42*	
		For Installation Above 14', Add	*4.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-0647	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	67.34	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 05 33 13-0648 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0569)*

Note: Excludes jumper.

26 05 33 13-0649	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	45.15	10.97
		For Work In Restricted Working Space, Add	*8.23*	
		For Installation Above 14', Add	*4.12*	
26 05 33 13-0650	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	54.38	13.27
		For Work In Restricted Working Space, Add	*9.98*	
		For Installation Above 14', Add	*4.99*	
26 05 33 13-0651	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	66.80	16.66
		For Work In Restricted Working Space, Add	*12.47*	
		For Installation Above 14', Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0652	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	86.48	20.45
		For Work In Restricted Working Space, Add	*15.35*	
		For Installation Above 14', Add	*7.67*	
26 05 33 13-0653	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	107.60	24.00
		For Work In Restricted Working Space, Add	*17.99*	
		For Installation Above 14', Add	*9.00*	
26 05 33 13-0654	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	134.96	29.19
		For Work In Restricted Working Space, Add	*21.91*	
		For Installation Above 14', Add	*10.96*	
26 05 33 13-0655	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	259.56	37.52
		For Work In Restricted Working Space, Add	*28.14*	
		For Installation Above 14', Add	*14.07*	
26 05 33 13-0656	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	317.67	43.86
		For Work In Restricted Working Space, Add	*32.91*	
		For Installation Above 14', Add	*16.45*	
26 05 33 13-0657	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	390.78	47.82
		For Work In Restricted Working Space, Add	*35.87*	
		For Installation Above 14', Add	*17.94*	
26 05 33 13-0658	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	422.86	52.76
		For Work In Restricted Working Space, Add	*39.59*	
		For Installation Above 14', Add	*19.79*	

26 05 33 13-0659 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters
(26 05 33 13-0569)

26 05 33 13-0660	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.39	2.97
		For Work In Restricted Working Space, Add	*2.20*	
		For Installation Above 14', Add	*1.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.20*	
26 05 33 13-0661	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.97	2.97
		For Work In Restricted Working Space, Add	*2.20*	
		For Installation Above 14', Add	*1.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.20*	
26 05 33 13-0662	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.03	3.22
		For Work In Restricted Working Space, Add	*2.44*	
		For Installation Above 14', Add	*1.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-0663	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.69	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Installation Above 14', Add	*1.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-0664	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.70	4.45
		For Work In Restricted Working Space, Add	*3.36*	
		For Installation Above 14', Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-0665	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	20.44	5.11
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-0666	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	26.67	6.44
		For Work In Restricted Working Space, Add	*4.80*	
		For Installation Above 14', Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	

26 05 33 13-0667 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0569)*

26 05 33 13-0668	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	17.63	7.42
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0669	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	20.53	8.66
		For Work In Restricted Working Space, Add	*5.19*	
		For Installation Above 14', Add	*2.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0670	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	25.54	9.89
		For Work In Restricted Working Space, Add	*5.94*	
		For Installation Above 14', Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0671	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	32.65	12.37
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	

26 05 33 13-0672 Intermediate Metal Conduit (IMC) *(26 05 33 13-0041)*
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0673 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0672)*
Note: Includes field bending conduit up to 1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0674	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	5.06	1.65
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000, Deduct	*-0.09*	
		For Installation In Metal Stub Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.03*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0675	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	5.65	1.81
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000, Deduct	*-0.11*	
		For Installation In Metal Stub Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0676	LF	1" Intermediate Metal Conduit (IMC) Conduit	6.69	1.97
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000, Deduct	*-0.17*	
		For Installation In Metal Stub Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.24*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0677	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.97	3.96
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.22*	
		For Installation In Metal Stub Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.44*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Installation Above 14', Add	*0.87*	
26 05 33 13-0678	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	9.19	2.64
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stub Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.98*	
		For Installation Above 14', Add	*0.99*	
26 05 33 13-0679	LF	2" Intermediate Metal Conduit (IMC) Conduit	10.94	2.97
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.35*	
		For Installation In Metal Stub Wall, Add	*0.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.86*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
26 05 33 13-0680	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	17.69	3.96
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.78*	
		For Installation In Metal Stub Wall, Add	*0.99*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.47*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.48*	
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0681	LF	3" Intermediate Metal Conduit (IMC) Conduit	21.97	4.95
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-0.96*	
		For Installation In Metal Stub Wall, Add	*1.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.09*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.71*	
		For Installation Above 14', Add	*1.86*	
26 05 33 13-0682	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	25.97	5.93
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.11*	
		For Installation In Metal Stub Wall, Add	*1.49*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.71*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.23*	
		For Work In Restricted Working Space, Add	*4.46*	
		For Installation Above 14', Add	*2.23*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0683		LF	4" Intermediate Metal Conduit (IMC) Conduit	30.40	6.93
			For >250 To 500, Deduct	*-0.65*	
			For >500 To 1,000, Deduct	*-0.98*	
			For >1,000, Deduct	*-1.31*	
			For Installation In Metal Stub Wall, Add	*1.73*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*4.33*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.60*	
			For Work In Restricted Working Space, Add	*5.19*	
			For Installation Above 14', Add	*2.60*	

26 05 33 13-0684 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0672)*

See CSI section 26 05 33 13-2377 for conduit field bending.

26 05 33 13-0685		EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	39.02	12.45
			For Work In Restricted Working Space, Add	*9.31*	
			For Installation Above 14', Add	*4.65*	
26 05 33 13-0686		EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	47.25	14.42
			For Work In Restricted Working Space, Add	*10.82*	
			For Installation Above 14', Add	*5.41*	
26 05 33 13-0687		EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	55.53	16.57
			For Work In Restricted Working Space, Add	*12.41*	
			For Installation Above 14', Add	*6.21*	
26 05 33 13-0688		EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	65.90	18.22
			For Work In Restricted Working Space, Add	*13.65*	
			For Installation Above 14', Add	*6.83*	
26 05 33 13-0689		EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.50	22.75
			For Work In Restricted Working Space, Add	*17.06*	
			For Installation Above 14', Add	*8.53*	
26 05 33 13-0690		EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	130.49	31.00
			For Work In Restricted Working Space, Add	*23.25*	
			For Installation Above 14', Add	*11.62*	
26 05 33 13-0691		EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	180.97	34.96
			For Work In Restricted Working Space, Add	*26.22*	
			For Installation Above 14', Add	*13.11*	
26 05 33 13-0692		EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	222.29	45.51
			For Work In Restricted Working Space, Add	*34.13*	
			For Installation Above 14', Add	*17.06*	

26 05 33 13-0693 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0672)*

26 05 33 13-0694		EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.07	4.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-0695		EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.96	0.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0696		EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.66	6.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0697		EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.28	7.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0698		EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	22.49	8.25
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0699		EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	28.66	10.22
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0700		EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	50.88	16.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0701		EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	64.65	22.42
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 05 33 13-0702		EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	82.30	26.71
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.04*	
26 05 33 13-0703		EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	96.69	31.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.25*	

26 05 33 13-0704 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0672)*

Note: 3-Piece coupling.

26 05 33 13-0705		EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	35.70	13.19
			For Work In Restricted Working Space, Add	*9.91*	
			For Installation Above 14', Add	*4.95*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-0706		EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	40.31	14.75
			For Work In Restricted Working Space, Add	*11.06*	
			For Installation Above 14', Add	*5.53*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.06*	
26 05 33 13-0707		EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	47.72	16.41
			For Work In Restricted Working Space, Add	*12.32*	
			For Installation Above 14', Add	*6.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.32*	
26 05 33 13-0708		EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	57.19	17.97
			For Work In Restricted Working Space, Add	*13.48*	
			For Installation Above 14', Add	*6.74*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.48*	
26 05 33 13-0709		EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	64.55	19.63
			For Work In Restricted Working Space, Add	*14.75*	
			For Installation Above 14', Add	*7.37*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0710	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	84.03	21.27
		For Work In Restricted Working Space, Add	*15.97*	
		For Installation Above 14', Add	*7.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.97*	
26 05 33 13-0711	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	131.83	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0712	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	182.90	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0713	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	260.36	39.57
		For Work In Restricted Working Space, Add	*29.69*	
		For Installation Above 14', Add	*14.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.69*	
26 05 33 13-0714	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	298.20	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	

26 05 33 13-0715 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0672)*

26 05 33 13-0716	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	19.41	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
26 05 33 13-0717	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	21.60	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
26 05 33 13-0718	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	24.74	8.25
		For Work In Restricted Working Space, Add	*6.19*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0719	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	27.69	8.90
		For Work In Restricted Working Space, Add	*6.68*	
		For Installation Above 14', Add	*3.34*	
26 05 33 13-0720	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	32.32	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0721	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	38.41	10.89
		For Work In Restricted Working Space, Add	*8.16*	
		For Installation Above 14', Add	*4.08*	
26 05 33 13-0722	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	50.93	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0723	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	63.13	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0724	EA	3-1/2"" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	75.82	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0725	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	84.89	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	

26 05 33 13-0726 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0672)*

26 05 33 13-0727	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	17.71	6.60
		For Work In Restricted Working Space, Add	*4.95*	
		For Installation Above 14', Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.95*	
26 05 33 13-0728	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	22.44	8.25
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0729	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.44	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0730	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	32.68	11.55
		For Work In Restricted Working Space, Add	*8.66*	
		For Installation Above 14', Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0731	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	37.90	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Installation Above 14', Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-0732	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	44.21	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-0733	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	53.15	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0734	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	61.41	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-0735	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	74.42	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0736	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	83.98	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	

26 05 33 13-0737 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0672)*

26 05 33 13-0738	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	85.69	13.19
		For Work In Restricted Working Space, Add	*9.90*	
		For Installation Above 14', Add	*4.95*	
26 05 33 13-0739	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	95.07	14.85
		For Work In Restricted Working Space, Add	*11.13*	
		For Installation Above 14', Add	*5.57*	
26 05 33 13-0740	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	105.65	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
26 05 33 13-0741	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	125.72	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
26 05 33 13-0742	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	151.41	19.79
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
26 05 33 13-0743	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	194.16	21.44
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
26 05 33 13-0744	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	286.77	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
26 05 33 13-0745	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	346.10	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
26 05 33 13-0746	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	475.60	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
26 05 33 13-0747	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	546.94	42.87
		For Work In Restricted Working Space, Add	*32.15*	
		For Installation Above 14', Add	*16.08*	

26 05 33 13-0748 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0672)*

26 05 33 13-0749	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	61.51	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0750	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	73.29	24.74
		For Work In Restricted Working Space, Add	*14.84*	
		For Installation Above 14', Add	*7.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-0751	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	88.33	28.86
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-0752	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	103.13	32.98
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0753	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	130.17	37.10
		For Work In Restricted Working Space, Add	*22.26*	
		For Installation Above 14', Add	*11.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.26*	
26 05 33 13-0754	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	154.94	41.23
		For Work In Restricted Working Space, Add	*24.73*	
		For Installation Above 14', Add	*12.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0755	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	211.58	49.47
		For Work In Restricted Working Space, Add	*29.68*	
		For Installation Above 14', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-0756	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	253.02	57.72
		For Work In Restricted Working Space, Add	*34.63*	
		For Installation Above 14', Add	*17.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.63*	
26 05 33 13-0757	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	528.78	65.96
		For Work In Restricted Working Space, Add	*39.58*	
		For Installation Above 14', Add	*19.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.58*	
26 05 33 13-0758	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	607.72	74.21
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	

26 05 33 13-0759 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0672)*

26 05 33 13-0760	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	10.58	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Installation Above 14', Add	*1.48*	
26 05 33 13-0761	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	14.86	5.60
		For Work In Restricted Working Space, Add	*4.21*	
		For Installation Above 14', Add	*2.10*	
26 05 33 13-0762	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	19.37	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Installation Above 14', Add	*2.72*	
26 05 33 13-0763	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.18	8.25
		For Work In Restricted Working Space, Add	*6.19*	
		For Installation Above 14', Add	*3.09*	
26 05 33 13-0764	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	26.70	9.89
		For Work In Restricted Working Space, Add	*7.42*	
		For Installation Above 14', Add	*3.71*	
26 05 33 13-0765	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	30.65	11.22
		For Work In Restricted Working Space, Add	*8.42*	
		For Installation Above 14', Add	*4.21*	
26 05 33 13-0766	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	37.08	12.53
		For Work In Restricted Working Space, Add	*9.40*	
		For Installation Above 14', Add	*4.70*	
26 05 33 13-0767	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	43.32	14.18
		For Work In Restricted Working Space, Add	*10.64*	
		For Installation Above 14', Add	*5.32*	
26 05 33 13-0768	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	49.28	15.50
		For Work In Restricted Working Space, Add	*11.63*	
		For Installation Above 14', Add	*5.81*	
26 05 33 13-0769	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	51.82	16.49
		For Work In Restricted Working Space, Add	*12.36*	
		For Installation Above 14', Add	*6.18*	

26 05 33 13-0770 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0672)*

26 05 33 13-0771	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	4.89	1.65
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0772	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.34	1.65
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	

26 05 33 13-0773 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0041)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0774 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0773)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-0775	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	11.08	2.31
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.96*	
		For Installation Above 14', Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-0776	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.75	2.64
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.11*	
		For Installation Above 14', Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0777	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	16.22	3.30
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.42*	
		For Installation Above 14', Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.48*	
26 05 33 13-0778	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	20.00	3.96
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.75*	
		For Installation Above 14', Add	*1.48*	
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-0779	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	24.66	4.95
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.16*	
		For Installation Above 14', Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-0780	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	30.86	5.93
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.71*	
		For Installation Above 14', Add	*2.23*	
		For Work In Restricted Working Space, Add	*4.46*	
26 05 33 13-0781	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	41.59	6.93
		For >250 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000, Deduct	*-3.73*	
		For Installation Above 14', Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.19*	
26 05 33 13-0782	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	52.05	8.57
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-4.67*	
		For Installation Above 14', Add	*3.22*	
		For Work In Restricted Working Space, Add	*6.43*	
26 05 33 13-0783	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	63.83	10.55
		For >250 To 500, Deduct	*-2.53*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.72*	
		For Installation Above 14', Add	*3.96*	
		For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-0784	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	75.48	12.53
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000, Deduct	*-6.76*	
		For Installation Above 14', Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.40*	
26 05 33 13-0785	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	115.33	14.85
		For >250 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-7.72*	
		For >1,000, Deduct	*-10.61*	
		For Installation Above 14', Add	*5.57*	
		For Work In Restricted Working Space, Add	*11.13*	
26 05 33 13-0786	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	156.68	19.79
		For >250 To 500, Deduct	*-6.60*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-14.43*	
		For Installation Above 14', Add	*7.42*	
		For Work In Restricted Working Space, Add	*14.84*	

26 05 33 13-0787 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0773)*

26 05 33 13-0788	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	12.05	3.22
		For Installation Above 14', Add	*0.97*	
		For Work In Restricted Working Space, Add	*1.93*	
26 05 33 13-0789	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	14.45	4.29
		For Installation Above 14', Add	*1.29*	
		For Work In Restricted Working Space, Add	*2.57*	
26 05 33 13-0790	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	18.35	5.36
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-0791	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.69	5.89
		For Installation Above 14', Add	*1.77*	
		For Work In Restricted Working Space, Add	*3.54*	
26 05 33 13-0792	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	24.51	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-0793	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	31.57	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-0794	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	57.63	9.64
		For Installation Above 14', Add	*2.90*	
		For Work In Restricted Working Space, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0795	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	73.35	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-0796	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	90.81	15.54
		For Installation Above 14', Add	*4.66*	
		For Work In Restricted Working Space, Add	*9.32*	
26 05 33 13-0797	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	112.71	21.44
		For Installation Above 14', Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
26 05 33 13-0798	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	286.51	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0799	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	287.42	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	

26 05 33 13-0800 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0773)*

Note: 90, 45, or 30 degree.

26 05 33 13-0801	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	46.46	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-0802	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	53.65	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-0803	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	64.14	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0804	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	75.93	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0805	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	88.95	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0806	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	108.30	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0807	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	166.92	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0808	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	249.32	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0809	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	308.56	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0810	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	353.98	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-0811	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	737.75	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-0812	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,160.50	181.14
		For Installation Above 14', Add	*54.34*	
		For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-0813 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0814	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	110.49	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0815	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	124.33	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0816	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	141.93	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0817	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	169.43	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0818	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	236.12	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	

26 05 33 13-0819 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0820	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	123.03	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0821		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	145.04	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0822		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	156.78	26.79
			For Installation Above 14', Add	*8.04*	
			For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0823		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	201.82	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0824		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	267.35	36.98
			For Installation Above 14', Add	*11.09*	
			For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0825		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	341.93	50.38
			For Installation Above 14', Add	*15.11*	
			For Work In Restricted Working Space, Add	*30.23*	

26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0827		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	138.02	20.37
			For Installation Above 14', Add	*6.11*	
			For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0828		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	155.83	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0829		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	175.84	26.79
			For Installation Above 14', Add	*8.04*	
			For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0830		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	212.56	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0831		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	303.23	36.98
			For Installation Above 14', Add	*11.09*	
			For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0832		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	384.05	50.38
			For Installation Above 14', Add	*15.11*	
			For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0833		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	484.99	56.80
			For Installation Above 14', Add	*17.04*	
			For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0834		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	546.19	73.95
			For Installation Above 14', Add	*22.19*	
			For Work In Restricted Working Space, Add	*44.37*	

26 05 33 13-0835 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0836		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	163.91	20.37
			For Installation Above 14', Add	*6.11*	
			For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0837		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	181.15	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0838		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	204.59	26.79
			For Installation Above 14', Add	*8.04*	
			For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0839		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	253.96	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0840		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	367.45	36.98
			For Installation Above 14', Add	*11.09*	
			For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0841		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	455.43	50.38
			For Installation Above 14', Add	*15.11*	
			For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0842		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	528.57	56.80
			For Installation Above 14', Add	*17.04*	
			For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0843		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	626.20	73.95
			For Installation Above 14', Add	*22.19*	
			For Work In Restricted Working Space, Add	*44.37*	

26 05 33 13-0844 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0845		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	184.05	20.37
			For Installation Above 14', Add	*6.11*	
			For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0846		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	204.72	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0847		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	232.88	26.79
			For Installation Above 14', Add	*8.04*	
			For Work In Restricted Working Space, Add	*16.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	290.00	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0849	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	402.49	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0850	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	512.52	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0851	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	634.54	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0852	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	699.64	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-0853	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,166.51	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	

26 05 33 13-0854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0855	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	210.39	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0856	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	233.20	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0857	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	263.90	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0858	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	329.97	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0859	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	460.88	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0860	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	585.26	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0861	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	687.63	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0862	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	794.45	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-0863	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,232.96	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-0864	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,685.55	181.14
		For Installation Above 14', Add	*54.34*	
		For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-0865 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0866	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	247.07	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0867	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	258.59	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0868	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	305.43	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0869	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	385.61	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0870	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	539.61	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0871	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	683.32	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0872	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	835.24	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0873	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	978.90	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-0874	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,449.70	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0875	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,785.04	181.14
		For Installation Above 14', Add	*54.34*	
		For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-0876 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0877	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	255.90	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-0878	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	301.53	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-0879	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	341.33	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-0880	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	402.34	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-0881	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	559.28	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-0882	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	713.48	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-0883	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	915.64	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-0884	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,020.73	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-0885	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,507.93	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-0886	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,835.59	181.14
		For Installation Above 14', Add	*54.34*	
		For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-0887 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0888	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	92.92	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0889	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	113.35	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0890	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	152.10	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0891	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	252.80	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0892	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	278.89	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0893	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	353.72	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0894	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	976.91	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-0895	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,164.10	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0896	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,544.59	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0773)*

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26 05 33 13-0898	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	88.90	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0899	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	108.81	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	152.10	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	250.46	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	269.47	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	353.84	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	936.69	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-0905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,134.76	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0906	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,544.52	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0908	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	80.00	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0909	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	95.30	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0910	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	112.61	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0911	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	161.59	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0912	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	188.99	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0913	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	295.68	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0914	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	824.69	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-0915	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	925.55	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0916	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,178.99	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0917 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0773)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0918	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	139.54	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0919	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	211.10	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	265.96	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	306.98	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	348.63	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	460.59	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,466.49	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,710.11	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0926	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,098.91	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0928	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	155.35	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0929	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	226.02	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	268.80	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	311.66	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	361.47	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	573.37	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,636.65	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,304.19	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0936	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,399.66	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0937 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0938	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	122.13	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-0939	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	153.87	17.68
		For Installation Above 14', Add	*5.31*	
		For Work In Restricted Working Space, Add	*10.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0940	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	184.60	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 05 33 13-0941	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	204.24	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0942	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	276.53	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-0943	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	393.37	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0944	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,325.55	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-0945	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,489.73	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.23*	
26 05 33 13-0946	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,766.17	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	

26 05 33 13-0947 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0948	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	106.52	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-0949	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	120.02	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0950	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	149.24	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-0951	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	196.85	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0952	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	230.58	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-0953	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	316.44	51.45
		For Installation Above 14', Add	*15.44*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 33 13-0954	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	536.58	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-0955	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	685.90	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.88*	
26 05 33 13-0956	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	957.38	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.35*	
26 05 33 13-0957	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,096.51	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.10*	

26 05 33 13-0958 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0959	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	139.12	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-0960	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	158.87	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0961	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	195.46	41.27
		For Installation Above 14', Add	*12.38*	
		For Work In Restricted Working Space, Add	*24.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.76*	
26 05 33 13-0962	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	265.44	47.16
		For Installation Above 14', Add	*14.15*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-0963	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	315.00	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 33 13-0964	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	431.15	63.24
		For Installation Above 14', Add	*18.97*	
		For Work In Restricted Working Space, Add	*37.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.94*	

26 05 33 13-0965 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0966	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	122.51	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0967	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	139.59	34.30
		For Installation Above 14', Add	*10.29*	
		For Work In Restricted Working Space, Add	*20.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.58*	
26 05 33 13-0968	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	170.14	37.52
		For Installation Above 14', Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.51*	
26 05 33 13-0969	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	219.64	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0970	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	261.53	47.16
		For Installation Above 14', Add	*14.15*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-0971	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	353.21	55.20
		For Installation Above 14', Add	*16.56*	
		For Work In Restricted Working Space, Add	*33.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.12*	
26 05 33 13-0972	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	570.94	80.39
		For Installation Above 14', Add	*24.12*	
		For Work In Restricted Working Space, Add	*48.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.23*	
26 05 33 13-0973	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	756.33	104.51
		For Installation Above 14', Add	*31.35*	
		For Work In Restricted Working Space, Add	*62.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.70*	
26 05 33 13-0974	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,043.93	128.62
		For Installation Above 14', Add	*38.59*	
		For Work In Restricted Working Space, Add	*77.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.17*	
26 05 33 13-0975	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,163.22	154.88
		For Installation Above 14', Add	*46.47*	
		For Work In Restricted Working Space, Add	*92.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.93*	

26 05 33 13-0976 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0773)*

26 05 33 13-0977	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	25.97	3.22
		For Installation Above 14', Add	*0.97*	
		For Work In Restricted Working Space, Add	*1.93*	
26 05 33 13-0978	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	29.08	3.75
		For Installation Above 14', Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.25*	
26 05 33 13-0979	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	37.94	4.82
		For Installation Above 14', Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.89*	
26 05 33 13-0980	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	48.90	5.89
		For Installation Above 14', Add	*1.77*	
		For Work In Restricted Working Space, Add	*3.54*	
26 05 33 13-0981	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	54.63	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-0982	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	67.81	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-0983	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	88.17	9.11
		For Installation Above 14', Add	*2.73*	
		For Work In Restricted Working Space, Add	*5.47*	
26 05 33 13-0984	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	95.67	12.86
		For Installation Above 14', Add	*3.86*	
		For Work In Restricted Working Space, Add	*7.72*	
26 05 33 13-0985	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	116.64	14.47
		For Installation Above 14', Add	*4.34*	
		For Work In Restricted Working Space, Add	*8.68*	
26 05 33 13-0986	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	124.15	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.94*	

26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-0988	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	121.33	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-0989	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	134.10	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0990	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	156.80	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-0991	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	186.36	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0992	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	233.53	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-0993	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	283.16	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 33 13-0994	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	410.65	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-0995	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	525.56	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.88*	
26 05 33 13-0996	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,070.93	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.35*	
26 05 33 13-0997	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,576.32	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.10*	

26 05 33 13-0998 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-0999	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	212.28	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-1000	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	228.14	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-1001	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	260.49	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-1002	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	291.23	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1003	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	354.26	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-1004	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	398.00	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 33 13-1005	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	559.97	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-1006	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	781.27	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.88*	
26 05 33 13-1007	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,145.19	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.35*	
26 05 33 13-1008	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,673.50	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.10*	

26 05 33 13-1009 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-1010	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	168.50	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1011	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	179.11	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-1012	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	205.81	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-1013	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	229.21	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1014	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	318.15	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-1015	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	400.18	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 33 13-1016	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	623.47	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.41*	
26 05 33 13-1017	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	910.47	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.88*	
26 05 33 13-1018	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,145.19	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.35*	

26 05 33 13-1019 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-1020	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	225.13	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-1021	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	249.58	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-1022	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	310.09	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-1023	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	382.96	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1024	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	535.37	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-1025	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	641.61	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	

26 05 33 13-1026 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0773)*

26 05 33 13-1027	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	41.89	10.30
		For Installation Above 14', Add	*3.09*	
		For Work In Restricted Working Space, Add	*6.18*	
26 05 33 13-1028	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	55.92	12.37
		For Installation Above 14', Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.42*	
26 05 33 13-1029	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	70.84	16.49
		For Installation Above 14', Add	*4.95*	
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-1030	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	98.05	20.61
		For Installation Above 14', Add	*6.18*	
		For Work In Restricted Working Space, Add	*12.37*	
26 05 33 13-1031	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	129.29	24.74
		For Installation Above 14', Add	*7.42*	
		For Work In Restricted Working Space, Add	*14.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1032	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	226.50	28.86
		For Installation Above 14', Add	*8.66*	
		For Work In Restricted Working Space, Add	*17.32*	
26 05 33 13-1033	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	331.69	32.98
		For Installation Above 14', Add	*9.89*	
		For Work In Restricted Working Space, Add	*19.79*	
26 05 33 13-1034	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	414.97	37.10
		For Installation Above 14', Add	*11.13*	
		For Work In Restricted Working Space, Add	*22.26*	
26 05 33 13-1035	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	579.98	43.28
		For Installation Above 14', Add	*12.99*	
		For Work In Restricted Working Space, Add	*25.97*	
26 05 33 13-1036	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	705.07	49.47
		For Installation Above 14', Add	*14.84*	
		For Work In Restricted Working Space, Add	*29.68*	
26 05 33 13-1037	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,128.74	78.32
		For Installation Above 14', Add	*23.50*	
		For Work In Restricted Working Space, Add	*47.00*	
26 05 33 13-1038	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,539.40	119.55
		For Installation Above 14', Add	*35.86*	
		For Work In Restricted Working Space, Add	*71.73*	

26 05 33 13-1039 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0773)*

26 05 33 13-1040	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	158.50	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1041	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	187.95	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
26 05 33 13-1042	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	206.72	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1043	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	299.73	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1044	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	397.84	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1045	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	427.96	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-1046	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,025.10	71.28
		For Installation Above 14', Add	*21.38*	
		For Work In Restricted Working Space, Add	*42.77*	
26 05 33 13-1047	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,075.69	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1048	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,770.24	120.58
		For Installation Above 14', Add	*36.18*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1049	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,837.60	146.84
		For Installation Above 14', Add	*44.06*	
		For Work In Restricted Working Space, Add	*88.11*	

26 05 33 13-1050 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0773)*

26 05 33 13-1051	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	234.69	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1052	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	267.31	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1053	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	534.49	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1054	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	559.62	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1055	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	768.05	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1056	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	817.56	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1057	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,579.75	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
26 05 33 13-1058	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,656.34	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1059	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,432.58	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1060	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,751.48	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	

26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1062	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	88.99	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1063	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	103.27	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1064	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	122.85	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1065	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	145.15	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	

26 05 33 13-1066 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1067	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	69.14	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1068	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	79.44	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1069	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	111.24	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1070	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	145.24	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1071	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	177.63	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1072	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	258.39	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1073	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	354.19	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	

26 05 33 13-1074 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1075	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	89.04	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1076	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	106.01	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1077	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	122.87	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1078		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	145.20	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	

26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1080		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	69.21	13.40
			For Installation Above 14', Add	*4.02*	
			For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1081		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	79.44	16.61
			For Installation Above 14', Add	*4.98*	
			For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1082		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	103.02	20.37
			For Installation Above 14', Add	*6.11*	
			For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1083		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	129.28	23.58
			For Installation Above 14', Add	*7.07*	
			For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1084		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	151.63	26.79
			For Installation Above 14', Add	*8.04*	
			For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1085		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	175.11	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1086		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	332.95	36.98
			For Installation Above 14', Add	*11.09*	
			For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1087		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	378.99	50.38
			For Installation Above 14', Add	*15.11*	
			For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-1088		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	408.10	56.80
			For Installation Above 14', Add	*17.04*	
			For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-1089		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	502.20	73.95
			For Installation Above 14', Add	*22.19*	
			For Work In Restricted Working Space, Add	*44.37*	

26 05 33 13-1090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0773)*

26 05 33 13-1091		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	145.65	25.72
			For Installation Above 14', Add	*7.72*	
			For Work In Restricted Working Space, Add	*15.44*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-1092		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	156.85	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-1093		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	171.22	33.76
			For Installation Above 14', Add	*10.13*	
			For Work In Restricted Working Space, Add	*20.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 05 33 13-1094		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	231.98	39.12
			For Installation Above 14', Add	*11.74*	
			For Work In Restricted Working Space, Add	*23.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1095		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	297.42	42.87
			For Installation Above 14', Add	*12.86*	
			For Work In Restricted Working Space, Add	*25.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	

26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1097		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	177.10	25.72
			For Installation Above 14', Add	*7.72*	
			For Work In Restricted Working Space, Add	*15.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1098	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	190.23	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1099	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	222.59	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1100	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	321.14	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1101	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	528.44	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1102	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	569.32	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	

26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1104	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	194.95	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1105	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	220.01	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1106	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	239.58	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1107	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	338.40	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1108	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	569.62	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1109	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	607.11	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	

26 05 33 13-1110 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1111	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	195.09	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1112	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	214.74	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1113	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	255.98	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1114	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	351.55	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1115	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	589.24	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1116	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	631.30	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	

26 05 33 13-1117 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1118	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	244.51	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1119	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	269.67	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1120	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	291.70	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1121	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	750.92	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	

26 05 33 13-1122 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0773)*

Note: Excludes cover.

26 05 33 13-1123	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	112.74	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1124	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	123.56	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1125	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	137.68	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	126.14	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	135.28	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	153.96	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	

26 05 33 13-1129 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0773)*

Note: Excludes cover.

26 05 33 13-1130	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	119.08	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1131	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	130.69	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1132	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	142.61	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1133	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	135.20	25.72
		For Installation Above 14', Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-1134	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	146.97	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1135	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	166.00	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0773)*

26 05 33 13-1137	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	44.37	3.22
		For Installation Above 14', Add	*0.97*	
		For Work In Restricted Working Space, Add	*1.93*	
26 05 33 13-1138	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	60.55	3.75
		For Installation Above 14', Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.25*	
26 05 33 13-1139	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	57.08	3.75
		For Installation Above 14', Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.25*	
26 05 33 13-1140	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	50.58	3.75
		For Installation Above 14', Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.25*	
26 05 33 13-1141	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	251.44	5.36
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-1142	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	223.28	5.36
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1143		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0773)*		
		Note: Includes covers.		
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	252.34	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	282.99	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	394.84	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	470.36	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	680.24	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
26 05 33 13-1149	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	856.42	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1150	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,263.01	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1151	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,568.17	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	252.34	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	282.99	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1154	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	393.71	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1155	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	458.89	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-1156	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	690.80	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
26 05 33 13-1157	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	903.79	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1158	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,320.19	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1159	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,603.78	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
26 05 33 13-1160	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	252.34	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1161	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	282.99	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1162	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	393.71	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	
26 05 33 13-1163	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	458.89	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-1164	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	690.80	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
26 05 33 13-1165	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	903.79	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1166	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,320.19	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1167	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,603.78	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	252.34	33.76
		For Installation Above 14', Add	*10.13*	
		For Work In Restricted Working Space, Add	*20.26*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	282.99	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	394.84	42.87
		For Installation Above 14', Add	*12.86*	
		For Work In Restricted Working Space, Add	*25.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	465.06	51.45
		For Installation Above 14', Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
26 05 33 13-1172	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	680.24	72.35
		For Installation Above 14', Add	*21.71*	
		For Work In Restricted Working Space, Add	*43.41*	
26 05 33 13-1173	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	856.42	96.47
		For Installation Above 14', Add	*28.94*	
		For Work In Restricted Working Space, Add	*57.88*	
26 05 33 13-1174	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,263.01	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1175	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,583.00	146.84
		For Installation Above 14', Add	*44.05*	
		For Work In Restricted Working Space, Add	*88.10*	

26 05 33 13-1176 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0773)*

26 05 33 13-1177	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	130.05	4.82
		For Installation Above 14', Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.89*	
26 05 33 13-1178	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	131.13	5.36
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-1179	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	185.40	7.50
		For Installation Above 14', Add	*2.25*	
		For Work In Restricted Working Space, Add	*4.50*	
26 05 33 13-1180	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	187.54	8.57
		For Installation Above 14', Add	*2.57*	
		For Work In Restricted Working Space, Add	*5.15*	
26 05 33 13-1181	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	329.56	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-1182	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	334.91	12.86
		For Installation Above 14', Add	*3.86*	
		For Work In Restricted Working Space, Add	*7.72*	
26 05 33 13-1183	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	506.32	14.47
		For Installation Above 14', Add	*4.34*	
		For Work In Restricted Working Space, Add	*8.68*	
26 05 33 13-1184	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	514.90	18.75
		For Installation Above 14', Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.26*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0773)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	222.00	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	262.01	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	309.86	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	382.31	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	512.89	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	713.06	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1192	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,020.33	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1193	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,267.03	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-1194	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,783.06	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-1195	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,051.75	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0773)*		
26 05 33 13-1197	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	355.74	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1198	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	368.38	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1199	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	413.08	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1200	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	500.26	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1201	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	607.07	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1202	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	777.89	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1203	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,150.93	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1204	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,441.55	50.38
		For Installation Above 14', Add	*15.11*	
		For Work In Restricted Working Space, Add	*30.23*	
26 05 33 13-1205	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,839.40	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-1206	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,301.29	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-1207		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0773)*		
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	72.59	6.44
		For Installation Above 14', Add	*1.93*	
		For Work In Restricted Working Space, Add	*3.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.86*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	78.33	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.88	9.64
		For Installation Above 14', Add	*2.90*	
		For Work In Restricted Working Space, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.79*	
26 05 33 13-1211	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	96.84	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1212	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	131.14	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1213	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	160.75	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1214	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	231.10	18.75
		For Installation Above 14', Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 05 33 13-1215	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	301.44	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1216	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	386.23	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1217	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	485.31	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1218	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	598.44	60.02
		For Installation Above 14', Add	*18.01*	
		For Work In Restricted Working Space, Add	*36.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.01*	
26 05 33 13-1219	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	902.54	90.57
		For Installation Above 14', Add	*27.17*	
		For Work In Restricted Working Space, Add	*54.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.34*	

26 05 33 13-1220 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0773)*

26 05 33 13-1221	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	110.58	6.44
		For Installation Above 14', Add	*1.93*	
		For Work In Restricted Working Space, Add	*3.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.86*	
26 05 33 13-1222	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	116.59	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1223	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	124.99	9.64
		For Installation Above 14', Add	*2.90*	
		For Work In Restricted Working Space, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.79*	
26 05 33 13-1224	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	142.44	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1225	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	152.67	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1226	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	172.74	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1227	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	264.75	18.75
		For Installation Above 14', Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 05 33 13-1228	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	315.95	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1229	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	389.36	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1230	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	505.55	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1231	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	785.57	60.02
		For Installation Above 14', Add	*18.01*	
		For Work In Restricted Working Space, Add	*36.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.01*	
26 05 33 13-1232	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,288.17	90.57
		For Installation Above 14', Add	*27.17*	
		For Work In Restricted Working Space, Add	*54.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.34*	

26 05 33 13-1233 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0773)*

26 05 33 13-1234	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	119.03	6.44
		For Installation Above 14', Add	*1.93*	
		For Work In Restricted Working Space, Add	*3.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.86*	
26 05 33 13-1235	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	124.61	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1236	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	133.37	9.64
		For Installation Above 14', Add	*2.90*	
		For Work In Restricted Working Space, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.79*	
26 05 33 13-1237	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	167.88	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1238	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	183.37	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1239	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	193.93	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	

26 05 33 13-1240 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0773)*

26 05 33 13-1241	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	85.40	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1242	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	92.91	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	120.74	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	175.92	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	208.90	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	265.93	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	354.16	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	460.26	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	592.82	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	763.21	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	
26 05 33 13-1251	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,391.22	120.58
		For Installation Above 14', Add	*36.17*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1252	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,731.99	181.14
		For Installation Above 14', Add	*54.34*	
		For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-1253 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0773)*

26 05 33 13-1254	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	87.38	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1255	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	100.45	16.61
		For Installation Above 14', Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.97*	
26 05 33 13-1256	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	124.76	20.37
		For Installation Above 14', Add	*6.11*	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1257	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	183.30	23.58
		For Installation Above 14', Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
26 05 33 13-1258	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	219.14	26.79
		For Installation Above 14', Add	*8.04*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1259	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	288.05	29.48
		For Installation Above 14', Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.69*	
26 05 33 13-1260	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	401.49	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1261	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	508.39	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
26 05 33 13-1262	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	679.82	56.80
		For Installation Above 14', Add	*17.04*	
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-1263	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	849.89	73.95
		For Installation Above 14', Add	*22.19*	
		For Work In Restricted Working Space, Add	*44.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,550.12	120.58
			For Installation Above 14', Add	*36.17*	
			For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1265		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,988.57	181.14
			For Installation Above 14', Add	*54.34*	
			For Work In Restricted Working Space, Add	*108.68*	

26 05 33 13-1266 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0773)*

26 05 33 13-1267		EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	48.22	4.29
			For Installation Above 14', Add	*1.29*	
			For Work In Restricted Working Space, Add	*2.57*	
26 05 33 13-1268		EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	52.76	5.36
			For Installation Above 14', Add	*1.61*	
			For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-1269		EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	60.16	5.36
			For Installation Above 14', Add	*1.61*	
			For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-1270		EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	74.51	5.89
			For Installation Above 14', Add	*1.77*	
			For Work In Restricted Working Space, Add	*3.54*	
26 05 33 13-1271		EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	78.78	5.89
			For Installation Above 14', Add	*1.77*	
			For Work In Restricted Working Space, Add	*3.54*	
26 05 33 13-1272		EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	67.23	6.97
			For Installation Above 14', Add	*2.09*	
			For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-1273		EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	76.77	6.97
			For Installation Above 14', Add	*2.09*	
			For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-1274		EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	119.67	6.97
			For Installation Above 14', Add	*2.09*	
			For Work In Restricted Working Space, Add	*4.18*	
26 05 33 13-1275		EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	132.97	8.04
			For Installation Above 14', Add	*2.41*	
			For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-1276		EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	129.26	8.04
			For Installation Above 14', Add	*2.41*	
			For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-1277		EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	136.15	8.04
			For Installation Above 14', Add	*2.41*	
			For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-1278		EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	153.45	8.04
			For Installation Above 14', Add	*2.41*	
			For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-1279		EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	152.02	9.64
			For Installation Above 14', Add	*2.90*	
			For Work In Restricted Working Space, Add	*5.79*	
26 05 33 13-1280		EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	193.58	13.40
			For Installation Above 14', Add	*4.02*	
			For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1281		EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	286.00	15.54
			For Installation Above 14', Add	*4.66*	
			For Work In Restricted Working Space, Add	*9.32*	
26 05 33 13-1282		EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	382.50	21.44
			For Installation Above 14', Add	*6.43*	
			For Work In Restricted Working Space, Add	*12.86*	
26 05 33 13-1283		EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	477.70	29.48
			For Installation Above 14', Add	*8.84*	
			For Work In Restricted Working Space, Add	*17.69*	

26 05 33 13-1284 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0773)*

26 05 33 13-1285		EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.48	6.44
			For Installation Above 14', Add	*1.93*	
			For Work In Restricted Working Space, Add	*3.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.86*	
26 05 33 13-1286		EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.02	8.04
			For Installation Above 14', Add	*2.41*	
			For Work In Restricted Working Space, Add	*4.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1287		EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.24	10.18
			For Installation Above 14', Add	*3.06*	
			For Work In Restricted Working Space, Add	*6.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1288		EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.56	11.79
			For Installation Above 14', Add	*3.54*	
			For Work In Restricted Working Space, Add	*7.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1289	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.49	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1290	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.69	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1291	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.29	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1292	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.54	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1293	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.99	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1294	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.11	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1295	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.47	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1296	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.85	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1297	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.45	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1298	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.83	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1299	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.31	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1300	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.43	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1301	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.28	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1302	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.00	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1303	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.61	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1304	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.15	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1305	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.63	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1306	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.88	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1307	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.83	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1308	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.77	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1309	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	108.28	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1310	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.16	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1311	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.90	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1312	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.47	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1313	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.95	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1314	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.34	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1315	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.37	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1316	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	86.02	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1317	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	113.12	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1318	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.06	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1319	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	157.68	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1320	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.46	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1321	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.22	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1322	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.81	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1323	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.56	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1324	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.97	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1325	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.76	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1326	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	94.96	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1327	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	120.36	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1328	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	136.60	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1329	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.81	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1330	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	238.49	50.91
		For Installation Above 14', Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1331	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.03	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1332	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.79	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1333	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.42	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1334	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.69	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1335	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.33	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1336	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.14	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1337	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	104.05	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1338	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	129.99	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1339	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	145.28	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1340	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	176.44	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1341	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	260.36	50.91
		For Installation Above 14', Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	
26 05 33 13-1342	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.91	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1343	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.65	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1344	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.78	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1345	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.99	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1346	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.11	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1347	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.91	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1348	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	115.22	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1349	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	143.16	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1350	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	166.99	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1351	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	198.40	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1352	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	275.34	50.91
		For Installation Above 14', Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	
26 05 33 13-1353	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.84	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1354	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.56	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1355	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.12	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1356	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.08	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1357	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.69	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1358	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.86	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1359	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	127.03	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1360	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	160.03	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1361	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	189.79	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	
26 05 33 13-1362	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	236.82	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1363	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	305.25	50.91
		For Installation Above 14', Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	
26 05 33 13-1364	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.80	6.97
		For Installation Above 14', Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 05 33 13-1365	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.63	8.04
		For Installation Above 14', Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1366	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.53	10.18
		For Installation Above 14', Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1367	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.80	11.79
		For Installation Above 14', Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-1368	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.66	13.40
		For Installation Above 14', Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.04*	
26 05 33 13-1369	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	89.85	15.01
		For Installation Above 14', Add	*4.50*	
		For Work In Restricted Working Space, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.00*	
26 05 33 13-1370	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	142.79	18.22
		For Installation Above 14', Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 33 13-1371	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	185.33	25.19
		For Installation Above 14', Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-1372	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	203.78	28.41
		For Installation Above 14', Add	*8.52*	
		For Work In Restricted Working Space, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1373	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	248.61	36.98
		For Installation Above 14', Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.19*	
26 05 33 13-1374	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	309.52	50.91
		For Installation Above 14', Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	

26 05 33 13-1375 Aluminum Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1376 Aluminum Conduit With Threaded Coupling *(26 05 33 13-1375)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1377	LF	1/2" Aluminum Conduit With Threaded Coupling	5.15	1.65
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-1378	LF	3/4" Aluminum Conduit With Threaded Coupling	5.91	1.81
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-1379	LF	1" Aluminum Conduit With Threaded Coupling	6.91	1.97
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-1380	LF	1-1/4" Aluminum Conduit With Threaded Coupling	7.93	2.15
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.80*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 33 13-1381	LF	1-1/2" Aluminum Conduit With Threaded Coupling	8.96	2.31
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-1382	LF	2" Aluminum Conduit With Threaded Coupling	10.87	2.64
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.98*	
26 05 33 13-1383	LF	2-1/2" Aluminum Conduit With Threaded Coupling	14.99	3.30
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.48*	
26 05 33 13-1384	LF	3" Aluminum Conduit With Threaded Coupling	18.75	3.96
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.48*	
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-1385	LF	3-1/2" Aluminum Conduit With Threaded Coupling	23.00	4.95
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-1386	LF	4" Aluminum Conduit With Threaded Coupling	28.26	6.26
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.35*	
		For Work In Restricted Working Space, Add	*4.70*	
26 05 33 13-1387	LF	5" Aluminum Conduit With Threaded Coupling	37.81	7.92
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.97*	
		For Work In Restricted Working Space, Add	*5.94*	
26 05 33 13-1388	LF	6" Aluminum Conduit With Threaded Coupling	48.46	9.89
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.42*	

26 05 33 13-1389 Aluminum 90 Degree Elbows *(26 05 33 13-1375)*

26 05 33 13-1390	EA	1" Aluminum 90 Degree Elbow	32.42	8.57
		For Work In Restricted Working Space, Add	*6.43*	
26 05 33 13-1391	EA	1-1/4" Aluminum 90 Degree Elbow	41.76	9.73
		For Work In Restricted Working Space, Add	*7.30*	
26 05 33 13-1392	EA	1-1/2" Aluminum 90 Degree Elbow	51.25	11.22
		For Work In Restricted Working Space, Add	*8.41*	
26 05 33 13-1393	EA	2" Aluminum 90 Degree Elbow	66.33	12.86
		For Work In Restricted Working Space, Add	*9.65*	
26 05 33 13-1394	EA	2-1/2" Aluminum 90 Degree Elbow	96.74	15.67
		For Work In Restricted Working Space, Add	*11.75*	
26 05 33 13-1395	EA	3" Aluminum 90 Degree Elbow	139.65	20.28
		For Work In Restricted Working Space, Add	*15.21*	
26 05 33 13-1396	EA	3-1/2" Aluminum 90 Degree Elbow	195.60	22.75
		For Work In Restricted Working Space, Add	*17.06*	
26 05 33 13-1397	EA	4" Aluminum 90 Degree Elbow	235.80	28.53
		For Work In Restricted Working Space, Add	*21.40*	
26 05 33 13-1398	EA	5" Aluminum 90 Degree Elbow	602.58	46.50
		For Work In Restricted Working Space, Add	*34.88*	
26 05 33 13-1399	EA	6" Aluminum 90 Degree Elbow	847.67	69.92
		For Work In Restricted Working Space, Add	*52.44*	

26 05 33 13-1400 Aluminum Bushing Set With Locknut *(26 05 33 13-1375)*

26 05 33 13-1401	EA	1/2" Aluminum Bushing Set With Locknut	9.08	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-1402	EA	3/4" Aluminum Bushing Set With Locknut	14.08	4.29
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	1" Aluminum Bushing Set With Locknut	13.73	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1404	EA	1-1/4" Aluminum Bushing Set With Locknut	15.45	5.93
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1405	EA	1-1/2" Aluminum Bushing Set With Locknut	18.91	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-1406	EA	2" Aluminum Bushing Set With Locknut	23.13	8.74
		For Work In Restricted Working Space, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-1407	EA	2-1/2" Aluminum Bushing Set With Locknut	28.57	10.38
		For Work In Restricted Working Space, Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 05 33 13-1408	EA	3" Aluminum Bushing Set With Locknut	33.53	11.87
		For Work In Restricted Working Space, Add	*8.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.90*	
26 05 33 13-1409	EA	3-1/2" Aluminum Bushing Set With Locknut	36.26	12.86
		For Work In Restricted Working Space, Add	*9.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.65*	
26 05 33 13-1410	EA	4" Aluminum Bushing Set With Locknut	39.55	13.85
		For Work In Restricted Working Space, Add	*10.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.39*	
26 05 33 13-1411	EA	5" Aluminum Bushing Set With Locknut	52.33	18.46
		For Work In Restricted Working Space, Add	*13.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 05 33 13-1412	EA	6" Aluminum Bushing Set With Locknut	77.71	27.71
		For Work In Restricted Working Space, Add	*20.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.78*	

26 05 33 13-1413 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1414 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1413)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1415	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.35	1.27
		For Schedule 60, Add	*0.20*	
		For Schedule 80, Add	*0.38*	
26 05 33 13-1416	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.72	1.40
		For Schedule 60, Add	*0.23*	
		For Schedule 80, Add	*0.43*	
26 05 33 13-1417	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.41	1.63
		For Schedule 60, Add	*0.29*	
		For Schedule 80, Add	*0.52*	
26 05 33 13-1418	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.09	1.86
		For Schedule 60, Add	*0.34*	
		For Schedule 80, Add	*0.62*	
26 05 33 13-1419	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.96	2.17
		For Schedule 60, Add	*0.40*	
		For Schedule 80, Add	*0.73*	
26 05 33 13-1420	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	6.90	2.48
		For Schedule 60, Add	*0.48*	
		For Schedule 80, Add	*0.86*	
26 05 33 13-1421	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	8.47	2.95
		For Schedule 60, Add	*0.64*	
		For Schedule 80, Add	*1.12*	
26 05 33 13-1422	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	9.84	3.42
		For Schedule 60, Add	*0.75*	
		For Schedule 80, Add	*1.31*	
26 05 33 13-1423	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	11.78	4.04
		For Schedule 60, Add	*0.92*	
		For Schedule 80, Add	*1.60*	
26 05 33 13-1424	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	14.26	4.98
		For Schedule 60, Add	*1.08*	
		For Schedule 80, Add	*1.88*	
26 05 33 13-1425	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	20.14	6.99
		For Schedule 60, Add	*1.54*	
		For Schedule 80, Add	*2.68*	
26 05 33 13-1426	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	26.81	9.32
		For Schedule 60, Add	*2.04*	
		For Schedule 80, Add	*3.56*	

26 05 33 13-1427 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1413)*

See CSI section 26 05 33 13-2387 for conduit field bending.

26 05 33 13-1428	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	16.06	6.22
		For Schedule 60, Add	*0.91*	
		For Schedule 80, Add	*1.74*	
26 05 33 13-1429	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	17.69	6.84
		For Schedule 60, Add	*1.00*	
		For Schedule 80, Add	*1.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1430	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	20.38	7.77
		For Schedule 60, Add	*1.21*	
		For Schedule 80, Add	*2.28*	
26 05 33 13-1431	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	26.25	9.95
		For Schedule 60, Add	*1.59*	
		For Schedule 80, Add	*2.97*	
26 05 33 13-1432	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	32.94	12.43
		For Schedule 60, Add	*2.02*	
		For Schedule 80, Add	*3.76*	
26 05 33 13-1433	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	41.34	15.54
		For Schedule 60, Add	*2.57*	
		For Schedule 80, Add	*4.76*	
26 05 33 13-1434	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	51.28	18.65
		For Schedule 60, Add	*3.50*	
		For Schedule 80, Add	*6.29*	
26 05 33 13-1435	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	62.24	21.75
		For Schedule 60, Add	*4.68*	
		For Schedule 80, Add	*8.18*	
26 05 33 13-1436	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	77.07	26.42
		For Schedule 60, Add	*6.06*	
		For Schedule 80, Add	*10.46*	
26 05 33 13-1437	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	91.90	31.08
		For Schedule 60, Add	*7.44*	
		For Schedule 80, Add	*12.74*	
26 05 33 13-1438	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	121.68	38.85
		For Schedule 60, Add	*10.99*	
		For Schedule 80, Add	*18.30*	
26 05 33 13-1439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	147.89	46.62
		For Schedule 60, Add	*13.66*	
		For Schedule 80, Add	*22.62*	

26 05 33 13-1440 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1413)*

See CSI section 26 05 33 13-2387 for conduit field bending.

26 05 33 13-1441	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	15.95	6.22
		For Schedule 60, Add	*0.88*	
		For Schedule 80, Add	*1.70*	
26 05 33 13-1442	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	17.65	6.84
		For Schedule 60, Add	*0.99*	
		For Schedule 80, Add	*1.90*	
26 05 33 13-1443	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	20.32	7.77
		For Schedule 60, Add	*1.19*	
		For Schedule 80, Add	*2.25*	
26 05 33 13-1444	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	26.08	9.95
		For Schedule 60, Add	*1.55*	
		For Schedule 80, Add	*2.91*	
26 05 33 13-1445	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	32.57	12.43
		For Schedule 60, Add	*1.93*	
		For Schedule 80, Add	*3.63*	
26 05 33 13-1446	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	41.14	15.54
		For Schedule 60, Add	*2.52*	
		For Schedule 80, Add	*4.69*	
26 05 33 13-1447	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	50.91	18.65
		For Schedule 60, Add	*3.40*	
		For Schedule 80, Add	*6.16*	
26 05 33 13-1448	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	61.77	21.75
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*8.02*	
26 05 33 13-1449	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	75.75	26.42
		For Schedule 60, Add	*5.73*	
		For Schedule 80, Add	*10.00*	
26 05 33 13-1450	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	90.76	31.08
		For Schedule 60, Add	*7.15*	
		For Schedule 80, Add	*12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1451	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	120.21	38.85
		For Schedule 60, Add	*10.62*	
		For Schedule 80, Add	*17.79*	
26 05 33 13-1452	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2387 for conduit field bending.	143.50	46.62
		For Schedule 60, Add	*12.56*	
		For Schedule 80, Add	*21.09*	

26 05 33 13-1453 Polyvinyl Chloride (PVC) Conduit Adapters *(26 05 33 13-1413)*

26 05 33 13-1454	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter	11.12	4.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1455	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter	12.74	4.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.73*	
26 05 33 13-1456	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter	14.41	5.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-1457	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	16.13	6.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.66*	
26 05 33 13-1458	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	20.05	7.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.83*	
26 05 33 13-1459	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter	24.15	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-1460	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	32.78	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-1461	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter	41.22	15.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	
26 05 33 13-1462	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	53.54	20.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 05 33 13-1463	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter	65.28	24.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.65*	
26 05 33 13-1464	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter	83.82	31.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.31*	
26 05 33 13-1465	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter	104.49	38.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.14*	

26 05 33 13-1466 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1413)*

26 05 33 13-1467	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.41	3.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-1468	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	13.08	4.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1469	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.77	4.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.73*	
26 05 33 13-1470	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.19	5.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-1471	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.10	6.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.66*	
26 05 33 13-1472	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.45	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	
26 05 33 13-1473	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.21	8.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 05 33 13-1474	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.73	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-1475	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.85	10.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 33 13-1476	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.74	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-1477	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	44.90	13.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 05 33 13-1478	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	50.06	15.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	

26 05 33 13-1479 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1413)*

26 05 33 13-1480	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	12.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.59*	
26 05 33 13-1481	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	14.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.30*	
26 05 33 13-1482	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	16.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.77*	
26 05 33 13-1483	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	18.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.32*	

26 05 33 13-1484 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1413)*

26 05 33 13-1485	EA	1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	33.48	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-1486	EA	3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	38.34	13.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 05 33 13-1487	EA	1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	42.56	15.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1488	EA	1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	51.93	18.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-1489	EA	1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	64.46	23.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.48*	
26 05 33 13-1490	EA	2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	80.89	27.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.98*	
26 05 33 13-1491	EA	2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	119.89	31.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.31*	
26 05 33 13-1492	EA	3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	129.09	34.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.64*	
26 05 33 13-1493	EA	3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	142.14	38.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.14*	
26 05 33 13-1494	EA	4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	160.49	45.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.80*	

26 05 33 13-1495 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1413)*

26 05 33 13-1496	EA	1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	44.41	16.49
		For Schedule 60, Add	*2.86*	
		For Schedule 80, Add	*5.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-1497	EA	3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	49.30	18.14
		For Schedule 60, Add	*3.26*	
		For Schedule 80, Add	*5.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-1498	EA	1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	53.46	19.79
		For Schedule 60, Add	*3.47*	
		For Schedule 80, Add	*6.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-1499	EA	1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	65.01	23.08
		For Schedule 60, Add	*4.71*	
		For Schedule 80, Add	*8.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-1500	EA	1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	78.65	28.04
		For Schedule 60, Add	*5.64*	
		For Schedule 80, Add	*10.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.03*	
26 05 33 13-1501	EA	2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	94.85	32.98
		For Schedule 60, Add	*7.22*	
		For Schedule 80, Add	*12.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	

26 05 33 13-1502 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1413)*

26 05 33 13-1503	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	59.72	15.54
26 05 33 13-1504	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	67.98	18.65
26 05 33 13-1505	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	76.57	21.75
26 05 33 13-1506	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	84.83	24.87
26 05 33 13-1507	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	92.93	27.97
26 05 33 13-1508	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	101.93	31.08
26 05 33 13-1509	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	122.21	35.75
26 05 33 13-1510	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	143.72	40.40
26 05 33 13-1511	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	167.47	46.62
26 05 33 13-1512	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	198.00	54.40
26 05 33 13-1513	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	253.51	65.27
26 05 33 13-1514	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	331.34	83.92

26 05 33 13-1515 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1413)*

26 05 33 13-1516	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	8.84	3.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-1517	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	10.50	3.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-1518	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	12.14	4.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1519	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	14.25	4.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.73*	
26 05 33 13-1520	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	16.37	5.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-1521	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	18.83	6.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.66*	
26 05 33 13-1522	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	25.05	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	
26 05 33 13-1523	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	27.70	8.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 05 33 13-1524	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	34.00	9.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.76*	
26 05 33 13-1525	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	39.72	9.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.23*	
26 05 33 13-1526	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	45.33	10.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 33 13-1527	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	55.90	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1528		Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1413)*		
26 05 33 13-1529	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	88.71	27.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.98*	
26 05 33 13-1530	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	85.47	18.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-1531	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	196.85	31.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.31*	
26 05 33 13-1532	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	372.09	45.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.80*	
26 05 33 13-1533		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0041)*		
		Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1534		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1533)*		
26 05 33 13-1535	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	4.81	1.27
26 05 33 13-1536	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.33	1.40
26 05 33 13-1537	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.01	1.61
26 05 33 13-1538	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.70	1.86
26 05 33 13-1539	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.64	2.17
26 05 33 13-1540	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.48	2.48
26 05 33 13-1541	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.09	2.95
26 05 33 13-1542	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.79	3.42
26 05 33 13-1543	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.77	4.04
26 05 33 13-1544	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.49	4.98
26 05 33 13-1545	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	22.57	6.99
26 05 33 13-1546	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	29.66	9.32
26 05 33 13-1547		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1533)*		
26 05 33 13-1548	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	45.54	6.22
		For 24" Radius, Add	*3.03*	
		For 36" Radius, Add	*4.55*	
		For 48" Radius, Add	*6.08*	
26 05 33 13-1549	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	50.69	6.84
		For 24" Radius, Add	*3.37*	
		For 36" Radius, Add	*5.07*	
		For 48" Radius, Add	*6.76*	
26 05 33 13-1550	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	53.36	7.77
		For 24" Radius, Add	*3.52*	
		For 36" Radius, Add	*5.34*	
		For 48" Radius, Add	*7.16*	
26 05 33 13-1551	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	59.13	9.95
		For 24" Radius, Add	*3.81*	
		For 36" Radius, Add	*5.91*	
		For 48" Radius, Add	*8.01*	
26 05 33 13-1552	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	65.68	12.43
		For 24" Radius, Add	*4.15*	
		For 36" Radius, Add	*6.57*	
		For 48" Radius, Add	*8.99*	
26 05 33 13-1553	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	78.22	15.54
		For 24" Radius, Add	*4.90*	
		For 36" Radius, Add	*7.82*	
		For 48" Radius, Add	*10.75*	
26 05 33 13-1554	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	93.74	18.65
		For 24" Radius, Add	*5.87*	
		For 36" Radius, Add	*9.37*	
		For 48" Radius, Add	*12.88*	
26 05 33 13-1555	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	110.95	21.75
		For 24" Radius, Add	*6.96*	
		For 36" Radius, Add	*11.10*	
		For 48" Radius, Add	*15.23*	
26 05 33 13-1556	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.67	26.42
		For 24" Radius, Add	*8.07*	
		For 36" Radius, Add	*12.97*	
		For 48" Radius, Add	*17.86*	
26 05 33 13-1557	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	148.38	31.08
		For 24" Radius, Add	*9.19*	
		For 36" Radius, Add	*14.84*	
		For 48" Radius, Add	*20.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1558	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	185.50	38.85
		For 24" Radius, Add	*11.48*	
		For 36" Radius, Add	*18.55*	
		For 48" Radius, Add	*25.62*	
26 05 33 13-1559	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	227.00	46.62
		For 24" Radius, Add	*14.11*	
		For 36" Radius, Add	*22.70*	
		For 48" Radius, Add	*31.29*	
26 05 33 13-1560		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1533)*		
26 05 33 13-1561	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	40.14	6.22
		For 24" Radius, Add	*2.62*	
		For 36" Radius, Add	*4.01*	
		For 48" Radius, Add	*5.41*	
26 05 33 13-1562	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	44.64	6.84
		For 24" Radius, Add	*2.92*	
		For 36" Radius, Add	*4.46*	
		For 48" Radius, Add	*6.01*	
26 05 33 13-1563	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	47.25	7.77
		For 24" Radius, Add	*3.06*	
		For 36" Radius, Add	*4.73*	
		For 48" Radius, Add	*6.39*	
26 05 33 13-1564	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	52.96	9.95
		For 24" Radius, Add	*3.35*	
		For 36" Radius, Add	*5.30*	
		For 48" Radius, Add	*7.24*	
26 05 33 13-1565	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	59.45	12.43
		For 24" Radius, Add	*3.68*	
		For 36" Radius, Add	*5.95*	
		For 48" Radius, Add	*8.21*	
26 05 33 13-1566	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	71.13	15.54
		For 24" Radius, Add	*4.36*	
		For 36" Radius, Add	*7.11*	
		For 48" Radius, Add	*9.86*	
26 05 33 13-1567	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	85.26	18.65
		For 24" Radius, Add	*5.23*	
		For 36" Radius, Add	*8.53*	
		For 48" Radius, Add	*11.82*	
26 05 33 13-1568	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	100.77	21.75
		For 24" Radius, Add	*6.20*	
		For 36" Radius, Add	*10.08*	
		For 48" Radius, Add	*13.96*	
26 05 33 13-1569	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	118.22	26.42
		For 24" Radius, Add	*7.22*	
		For 36" Radius, Add	*11.82*	
		For 48" Radius, Add	*16.43*	
26 05 33 13-1570	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	135.66	31.08
		For 24" Radius, Add	*8.23*	
		For 36" Radius, Add	*13.57*	
		For 48" Radius, Add	*18.90*	
26 05 33 13-1571	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	169.59	38.85
		For 24" Radius, Add	*10.29*	
		For 36" Radius, Add	*16.96*	
		For 48" Radius, Add	*23.63*	
26 05 33 13-1572	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	207.12	46.62
		For 24" Radius, Add	*12.62*	
		For 36" Radius, Add	*20.71*	
		For 48" Radius, Add	*28.80*	
26 05 33 13-1573		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1533)*		
26 05 33 13-1574	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	37.08	5.60
		For 24" Radius, Add	*2.43*	
		For 36" Radius, Add	*3.71*	
		For 48" Radius, Add	*4.98*	
26 05 33 13-1575	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	41.24	6.15
		For 24" Radius, Add	*2.71*	
		For 36" Radius, Add	*4.12*	
		For 48" Radius, Add	*5.54*	
26 05 33 13-1576	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	43.62	6.99
		For 24" Radius, Add	*2.83*	
		For 36" Radius, Add	*4.36*	
		For 48" Radius, Add	*5.89*	
26 05 33 13-1577	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	48.76	8.95
		For 24" Radius, Add	*3.10*	
		For 36" Radius, Add	*4.88*	
		For 48" Radius, Add	*6.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1578	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	54.61	11.19
		For 24" Radius, Add	*3.40*	
		For 36" Radius, Add	*5.46*	
		For 48" Radius, Add	*7.53*	
26 05 33 13-1579	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	65.29	13.98
		For 24" Radius, Add	*4.02*	
		For 36" Radius, Add	*6.53*	
		For 48" Radius, Add	*9.04*	
26 05 33 13-1580	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	78.24	16.79
		For 24" Radius, Add	*4.82*	
		For 36" Radius, Add	*7.82*	
		For 48" Radius, Add	*10.83*	
26 05 33 13-1581	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	92.50	19.58
		For 24" Radius, Add	*5.71*	
		For 36" Radius, Add	*9.25*	
		For 48" Radius, Add	*12.79*	
26 05 33 13-1582	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	108.42	23.78
		For 24" Radius, Add	*6.65*	
		For 36" Radius, Add	*10.84*	
		For 48" Radius, Add	*15.04*	
26 05 33 13-1583	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.36	27.97
		For 24" Radius, Add	*7.58*	
		For 36" Radius, Add	*12.44*	
		For 48" Radius, Add	*17.29*	
26 05 33 13-1584	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	155.45	34.97
		For 24" Radius, Add	*9.47*	
		For 36" Radius, Add	*15.55*	
		For 48" Radius, Add	*21.62*	
26 05 33 13-1585	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	189.95	41.96
		For 24" Radius, Add	*11.62*	
		For 36" Radius, Add	*19.00*	
		For 48" Radius, Add	*26.37*	

26 05 33 13-1586 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1533)*

26 05 33 13-1587	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	35.58	5.60
		For 24" Radius, Add	*2.32*	
		For 36" Radius, Add	*3.56*	
		For 48" Radius, Add	*4.80*	
26 05 33 13-1588	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	39.56	6.15
		For 24" Radius, Add	*2.58*	
		For 36" Radius, Add	*3.96*	
		For 48" Radius, Add	*5.33*	
26 05 33 13-1589	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	41.92	6.99
		For 24" Radius, Add	*2.71*	
		For 36" Radius, Add	*4.19*	
		For 48" Radius, Add	*5.68*	
26 05 33 13-1590	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	47.05	8.95
		For 24" Radius, Add	*2.97*	
		For 36" Radius, Add	*4.71*	
		For 48" Radius, Add	*6.44*	
26 05 33 13-1591	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	52.88	11.19
		For 24" Radius, Add	*3.27*	
		For 36" Radius, Add	*5.29*	
		For 48" Radius, Add	*7.31*	
26 05 33 13-1592	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	63.32	13.98
		For 24" Radius, Add	*3.87*	
		For 36" Radius, Add	*6.33*	
		For 48" Radius, Add	*8.79*	
26 05 33 13-1593	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	75.89	16.79
		For 24" Radius, Add	*4.64*	
		For 36" Radius, Add	*7.59*	
		For 48" Radius, Add	*10.54*	
26 05 33 13-1594	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	89.67	19.58
		For 24" Radius, Add	*5.50*	
		For 36" Radius, Add	*8.97*	
		For 48" Radius, Add	*12.43*	
26 05 33 13-1595	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	105.24	23.78
		For 24" Radius, Add	*6.41*	
		For 36" Radius, Add	*10.52*	
		For 48" Radius, Add	*14.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1596	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	120.82	27.97
		For 24" Radius, Add	*7.31*	
		For 36" Radius, Add	*12.08*	
		For 48" Radius, Add	*16.85*	
26 05 33 13-1597	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	151.04	34.97
		For 24" Radius, Add	*9.14*	
		For 36" Radius, Add	*15.10*	
		For 48" Radius, Add	*21.07*	
26 05 33 13-1598	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	184.43	41.96
		For 24" Radius, Add	*11.21*	
		For 36" Radius, Add	*18.44*	
		For 48" Radius, Add	*25.68*	

26 05 33 13-1599 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1533)*

26 05 33 13-1600	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	23.30	4.35
26 05 33 13-1601	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	26.27	4.98
26 05 33 13-1602	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	27.96	5.60
26 05 33 13-1603	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	29.64	6.22
26 05 33 13-1604	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	33.81	7.77
26 05 33 13-1605	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	40.44	9.32
26 05 33 13-1606	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.70	12.43
26 05 33 13-1607	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	63.59	15.54
26 05 33 13-1608	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	78.34	20.20
26 05 33 13-1609	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	93.10	24.87
26 05 33 13-1610	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	116.35	31.08
26 05 33 13-1611	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	145.44	38.85

26 05 33 13-1612 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1533)*

26 05 33 13-1613	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	17.89	4.35
26 05 33 13-1614	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	20.22	4.98
26 05 33 13-1615	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	21.85	5.60
26 05 33 13-1616	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	23.49	6.22
26 05 33 13-1617	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	27.46	7.77
26 05 33 13-1618	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	31.39	9.32
26 05 33 13-1619	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	40.78	12.43
26 05 33 13-1620	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.49	15.54
26 05 33 13-1621	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	63.60	20.20
26 05 33 13-1622	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	76.72	24.87
26 05 33 13-1623	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	95.90	31.08
26 05 33 13-1624	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	119.88	38.85

26 05 33 13-1625 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1533)*

26 05 33 13-1626	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	19.59	3.58
26 05 33 13-1627	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	22.11	4.98
26 05 33 13-1628	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	23.77	5.60
26 05 33 13-1629	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.39	6.22
26 05 33 13-1630	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	29.50	7.77
26 05 33 13-1631	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	35.30	9.32
26 05 33 13-1632	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	45.46	12.43
26 05 33 13-1633	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	56.11	15.54
26 05 33 13-1634	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	69.92	20.20
26 05 33 13-1635	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	83.74	24.87
26 05 33 13-1636	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	104.65	31.08
26 05 33 13-1637	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	130.84	38.85

26 05 33 13-1638 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1533)*

26 05 33 13-1639	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	48.45	15.54
26 05 33 13-1640	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	57.27	18.65
26 05 33 13-1641	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	65.17	21.75
26 05 33 13-1642	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	73.01	24.87
26 05 33 13-1643	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	81.02	27.97
26 05 33 13-1644	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	90.89	31.08
26 05 33 13-1645	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	105.19	35.75
26 05 33 13-1646	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	120.02	40.40
26 05 33 13-1647	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.94	46.62
26 05 33 13-1648	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	159.74	54.40
26 05 33 13-1649	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	185.10	62.17
26 05 33 13-1650	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	211.95	69.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1651		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-1533)*		
26 05 33 13-1652	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	52.35	15.54
26 05 33 13-1653	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	61.64	18.65
26 05 33 13-1654	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	69.56	21.75
26 05 33 13-1655	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	77.45	24.87
26 05 33 13-1656	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	85.49	27.97
26 05 33 13-1657	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	96.01	31.08
26 05 33 13-1658	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	111.33	35.75
26 05 33 13-1659	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	127.39	40.40
26 05 33 13-1660	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	146.22	46.62
26 05 33 13-1661	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	168.95	54.40
26 05 33 13-1662	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	196.64	62.17
26 05 33 13-1663	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	226.38	69.93
26 05 33 13-1664		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-1533)*		
26 05 33 13-1665	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	42.98	4.35
26 05 33 13-1666	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	48.09	4.98
26 05 33 13-1667	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	50.74	5.60
26 05 33 13-1668	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	53.44	6.22
26 05 33 13-1669	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	57.92	7.77
26 05 33 13-1670	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	65.46	9.32
26 05 33 13-1671	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	81.67	12.43
26 05 33 13-1672	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	99.52	15.54
26 05 33 13-1673	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	118.77	20.20
26 05 33 13-1674	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	138.01	24.87
26 05 33 13-1675	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	172.53	31.08
26 05 33 13-1676	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	214.95	38.85
26 05 33 13-1677		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-1533)*		
26 05 33 13-1678	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	59.13	15.54
26 05 33 13-1679	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	69.16	18.65
26 05 33 13-1680	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	82.24	21.75
26 05 33 13-1681	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	99.71	24.87
26 05 33 13-1682	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	121.39	27.97
26 05 33 13-1683	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	153.96	31.08
26 05 33 13-1684	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	209.36	35.75
26 05 33 13-1685	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	249.82	40.40
26 05 33 13-1686	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	299.56	46.62
26 05 33 13-1687	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	353.19	54.40
26 05 33 13-1688	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	413.41	62.17
26 05 33 13-1689	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	612.84	69.93
26 05 33 13-1690		**Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover** *(26 05 33 13-1533)*		
26 05 33 13-1691	EA	1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	49.03	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-1692	EA	3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	56.38	13.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 05 33 13-1693	EA	1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	71.49	15.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	
26 05 33 13-1694	EA	1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	86.94	18.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-1695	EA	1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	110.12	23.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.48*	
26 05 33 13-1696	EA	2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	146.73	27.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.98*	
26 05 33 13-1697	EA	2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	225.59	32.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1698	EA	3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	285.25	37.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1699	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	341.58	43.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.63*	
26 05 33 13-1700	EA	4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	397.93	49.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1701	EA	5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	466.27	55.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.96*	
26 05 33 13-1702	EA	6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	527.41	62.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.62*	

26 05 33 13-1703 Explosion Proof Conduit Fittings *(26 05 33 13-0041)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1704 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1703)*

26 05 33 13-1705	EA	1/2" Explosion Proof Malleable Iron Conduit Union	31.51	6.86
26 05 33 13-1706	EA	3/4" Explosion Proof Malleable Iron Conduit Union	38.73	7.59
26 05 33 13-1707	EA	1" Explosion Proof Malleable Iron Conduit Union	61.15	10.12
26 05 33 13-1708	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	80.63	11.20
26 05 33 13-1709	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	101.40	13.73
26 05 33 13-1710	EA	2" Explosion Proof Malleable Iron Conduit Union	126.15	15.90
26 05 33 13-1711	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	191.77	22.73
26 05 33 13-1712	EA	3" Explosion Proof Malleable Iron Conduit Union	243.46	27.06
26 05 33 13-1713	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	406.90	32.47
26 05 33 13-1714	EA	4" Explosion Proof Malleable Iron Conduit Union	432.62	41.49

26 05 33 13-1715 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1703)*

26 05 33 13-1716	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	111.22	21.68
26 05 33 13-1717	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	125.38	24.57
26 05 33 13-1718	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	146.61	27.10
26 05 33 13-1719	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	125.85	27.10
26 05 33 13-1720	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	149.97	32.52
26 05 33 13-1721	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	177.31	37.21

26 05 33 13-1722 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1703)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1723	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	92.01	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-1724	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	94.25	20.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.17*	
26 05 33 13-1725	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	102.88	22.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.53*	
26 05 33 13-1726	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	132.07	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 05 33 13-1727	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	168.24	31.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-1728	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	215.61	36.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.10*	
26 05 33 13-1729	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	307.34	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 05 33 13-1730	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	388.37	67.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.87*	
26 05 33 13-1731	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	545.80	74.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.00*	
26 05 33 13-1732	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	702.33	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.88*	

26 05 33 13-1733 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1703)*

26 05 33 13-1734	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	241.53	8.31
26 05 33 13-1735	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	315.83	9.39

26 05 33 13-1736 Flexible Conduit *(26 05 33 13-0040)*

26 05 33 13-1737 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-1736)*

Note: Steel inner core with PVC cover.

26 05 33 13-1738 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-1737)*

26 05 33 13-1739	LF	3/8" Flexible Liquid Tight Metallic Conduit	3.40	0.99
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.37*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-1740	LF	1/2" Flexible Liquid Tight Metallic Conduit	3.53	0.99
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.37*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-1741	LF	3/4" Flexible Liquid Tight Metallic Conduit	4.73	1.32
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.50*	
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-1742	LF	1" Flexible Liquid Tight Metallic Conduit	5.46	1.32
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.50*	
		For Work In Restricted Working Space, Add	*0.99*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1743		LF	1-1/4" Flexible Liquid Tight Metallic Conduit	7.07	1.65
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
			For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-1744		LF	1-1/2" Flexible Liquid Tight Metallic Conduit	9.09	1.97
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.74*	
			For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-1745		LF	2" Flexible Liquid Tight Metallic Conduit	11.95	2.64
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
			For Work In Restricted Working Space, Add	*1.98*	
26 05 33 13-1746		LF	2-1/2" Flexible Liquid Tight Metallic Conduit	16.26	2.97
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.11*	
			For Work In Restricted Working Space, Add	*2.23*	
26 05 33 13-1747		LF	3" Flexible Liquid Tight Metallic Conduit	23.94	3.63
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.36*	
			For Work In Restricted Working Space, Add	*2.72*	
26 05 33 13-1748		LF	4" Flexible Liquid Tight Metallic Conduit	32.78	4.62
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.73*	
			For Work In Restricted Working Space, Add	*3.47*	

26 05 33 13-1749 Straight Connector *(26 05 33 13-1737)*

26 05 33 13-1750		EA	3/8" Straight Liquid Tight Connector	9.22	2.64
			For Work In Restricted Working Space, Add	*1.98*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1751		EA	1/2" Straight Liquid Tight Connector	9.22	2.64
			For Work In Restricted Working Space, Add	*1.98*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1752		EA	3/4" Straight Liquid Tight Connector	11.18	2.97
			For Work In Restricted Working Space, Add	*2.23*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-1753		EA	1" Straight Liquid Tight Connector	14.96	3.30
			For Work In Restricted Working Space, Add	*2.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-1754		EA	1-1/4" Straight Liquid Tight Connector	19.21	3.63
			For Work In Restricted Working Space, Add	*2.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1755		EA	1-1/2" Straight Liquid Tight Connector	24.36	3.96
			For Work In Restricted Working Space, Add	*2.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1756		EA	2" Straight Liquid Tight Connector	33.59	4.62
			For Work In Restricted Working Space, Add	*3.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-1757		EA	2-1/2" Straight Liquid Tight Connector	114.91	5.93
			For Work In Restricted Working Space, Add	*4.46*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1758		EA	3" Straight Liquid Tight Connector	148.19	6.26
			For Work In Restricted Working Space, Add	*4.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-1759		EA	4" Straight Liquid Tight Connector	181.34	9.23
			For Work In Restricted Working Space, Add	*6.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	

26 05 33 13-1760 90 Degree Angle Connector *(26 05 33 13-1737)*

26 05 33 13-1761		EA	3/8" 90 Degree Angle Liquid Tight Connector	13.45	3.63
			For Work In Restricted Working Space, Add	*2.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1762		EA	1/2" 90 Degree Angle Liquid Tight Connector	14.02	3.63
			For Work In Restricted Working Space, Add	*2.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1763		EA	3/4" 90 Degree Angle Liquid Tight Connector	15.84	3.96
			For Work In Restricted Working Space, Add	*2.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1764		EA	1" 90 Degree Angle Liquid Tight Connector	22.37	4.62
			For Work In Restricted Working Space, Add	*3.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-1765		EA	1-1/4" 90 Degree Angle Liquid Tight Connector	28.19	4.95
			For Work In Restricted Working Space, Add	*3.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1766		EA	1-1/2" 90 Degree Angle Liquid Tight Connector	34.20	5.27
			For Work In Restricted Working Space, Add	*3.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1767		EA	2" 90 Degree Angle Liquid Tight Connector	45.27	5.93
			For Work In Restricted Working Space, Add	*4.46*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1768		EA	2-1/2" 90 Degree Angle Liquid Tight Connector	160.57	6.26
			For Work In Restricted Working Space, Add	*4.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-1769		EA	3" 90 Degree Angle Liquid Tight Connector	189.74	7.26
			For Work In Restricted Working Space, Add	*5.44*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-1770		EA	4" 90 Degree Angle Liquid Tight Connector	262.44	11.55
			For Work In Restricted Working Space, Add	*8.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1771		45 Degree Angle Connector *(26 05 33 13-1737)*		
26 05 33 13-1772	EA	3/8" 45 Degree Angle Liquid Tight Connector	13.26	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1773	EA	1/2" 45 Degree Angle Liquid Tight Connector	13.40	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1774	EA	3/4" 45 Degree Angle Liquid Tight Connector	15.84	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1775	EA	1" 45 Degree Angle Liquid Tight Connector	23.91	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-1776	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	27.19	4.95
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1777	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	30.47	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1778		Flexible Metallic Conduit And Connectors *(26 05 33 13-1736)*		
26 05 33 13-1779		Flexible Steel Conduit *(26 05 33 13-1778)*		
26 05 33 13-1780	LF	3/8" Flexible Metallic Conduit	3.05	1.08
		For Flexible Aluminum Conduit, Add	*0.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.40*	
		For Installation In Metal Stud Wall, Add	*0.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.80*	
26 05 33 13-1781	LF	1/2" Flexible Metallic Conduit	3.15	1.08
		For Flexible Aluminum Conduit, Add	*0.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.41*	
		For Installation In Metal Stud Wall, Add	*0.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.68*	
		For Work In Restricted Working Space, Add	*0.81*	
26 05 33 13-1782	LF	3/4" Flexible Metallic Conduit	3.53	1.44
		For Flexible Aluminum Conduit, Add	*0.10*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.44*	
		For Installation In Metal Stud Wall, Add	*0.29*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.73*	
		For Work In Restricted Working Space, Add	*0.88*	
26 05 33 13-1783	LF	1" Flexible Metallic Conduit	4.28	1.44
		For Flexible Aluminum Conduit, Add	*0.18*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.47*	
		For Installation In Metal Stud Wall, Add	*0.32*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.79*	
		For Work In Restricted Working Space, Add	*0.95*	
26 05 33 13-1784	LF	1-1/4" Flexible Metallic Conduit	4.79	1.80
		For Flexible Aluminum Conduit, Add	*0.24*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.50*	
		For Installation In Metal Stud Wall, Add	*0.33*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.84*	
		For Work In Restricted Working Space, Add	*1.00*	
26 05 33 13-1785	LF	1-1/2" Flexible Metallic Conduit	6.02	2.16
		For Flexible Aluminum Conduit, Add	*0.42*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.52*	
		For Installation In Metal Stud Wall, Add	*0.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-1786	LF	2" Flexible Metallic Conduit	6.74	2.89
		For Flexible Aluminum Conduit, Add	*0.52*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.54*	
		For Installation In Metal Stud Wall, Add	*0.36*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.08*	
26 05 33 13-1787	LF	2-1/2" Flexible Steel Conduit	8.29	3.25
		For Flexible Aluminum Conduit, Add	*0.62*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-1788	LF	3" Flexible Metallic Conduit	11.98	3.97
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.81*	
		For Installation In Metal Stud Wall, Add	*0.54*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.35*	
		For Work In Restricted Working Space, Add	*1.62*	
26 05 33 13-1789	LF	3-1/2" Flexible Metallic Conduit	14.59	4.33
		For Flexible Aluminum Conduit, Add	*1.37*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.95*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.58*	
		For Work In Restricted Working Space, Add	*1.89*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1790	LF	4" Flexible Metallic Conduit	16.77	5.05
		For Flexible Aluminum Conduit, Add	*1.58*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.08*	
		For Installation In Metal Stud Wall, Add	*0.72*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.16*	

26 05 33 13-1791 Plain Squeeze Type Straight Connector *(26 05 33 13-1778)*

26 05 33 13-1792	EA	3/8" Flexible Straight Connectors, Plain	5.07	2.89
		For Work In Restricted Working Space, Add	*1.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	
26 05 33 13-1793	EA	1/2" Flexible Straight Connectors, Plain	6.11	3.25
		For Work In Restricted Working Space, Add	*1.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-1794	EA	3/4" Flexible Straight Connectors, Plain	7.10	3.97
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1795	EA	1" Flexible Straight Connectors, Plain	10.91	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1796	EA	1-1/4" Flexible Straight Connectors, Plain	15.08	5.05
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1797	EA	1-1/2" Flexible Straight Connectors, Plain	19.68	6.13
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1798	EA	2" Flexible Straight Connectors, Plain	25.50	6.13
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1799	EA	2-1/2" Flexible Straight Connectors, Plain	39.29	7.58
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1800	EA	3" Flexible Straight Connectors, Plain	50.63	8.30
		For Work In Restricted Working Space, Add	*5.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-1801	EA	3-1/2" Flexible Straight Connectors, Plain	146.31	9.74
		For Work In Restricted Working Space, Add	*6.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.09*	
26 05 33 13-1802	EA	4" Flexible Straight Connectors, Plain	181.98	11.90
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	

26 05 33 13-1803 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-1778)*

26 05 33 13-1804	EA	1/2" Flexible Straight Connectors, Insulated	6.66	3.25
		For Work In Restricted Working Space, Add	*1.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-1805	EA	3/4" Flexible Straight Connectors, Insulated	7.82	3.97
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1806	EA	1" Flexible Straight Connectors, Insulated	11.90	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1807	EA	1-1/4" Flexible Straight Connectors, Insulated	16.89	5.05
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1808	EA	1-1/2" Flexible Straight Connectors, Insulated	22.90	5.41
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1809	EA	2" Flexible Straight Connectors, Insulated	31.17	6.13
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1810	EA	2-1/2" Flexible Straight Connectors, Insulated	51.44	7.58
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1811	EA	3" Flexible Straight Connectors, Insulated	64.95	8.30
		For Work In Restricted Working Space, Add	*5.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-1812	EA	3-1/2" Flexible Straight Connectors, Insulated	168.40	9.74
		For Work In Restricted Working Space, Add	*6.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.09*	
26 05 33 13-1813	EA	4" Flexible Straight Connectors, Insulated	215.19	11.90
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	

26 05 33 13-1814 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-1778)*

26 05 33 13-1815	EA	3/8" Flexible 90 Degree Connector, Plain	7.03	3.61
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1816	EA	1/2" Flexible 90 Degree Connector, Plain	9.01	3.97
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1817	EA	3/4" Flexible 90 Degree Connector, Plain	11.44	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1818	EA	1" Flexible 90 Degree Connector, Plain	15.70	5.05
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1819	EA	1-1/4" Flexible 90 Degree Connector, Plain	23.50	5.41
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1820	EA	1-1/2" Flexible 90 Degree Connector, Plain	35.69	6.31
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1821	EA	2" Flexible 90 Degree Connector, Plain	42.74	7.76
		For Work In Restricted Working Space, Add	*4.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-1822	EA	2-1/2" Flexible 90 Degree Connector, Plain	89.48	8.30
		For Work In Restricted Working Space, Add	*5.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-1823	EA	3" Flexible 90 Degree Connector, Plain	114.08	9.74
		For Work In Restricted Working Space, Add	*6.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.09*	
26 05 33 13-1824	EA	3-1/2" Flexible 90 Degree Connector, Plain	235.83	11.90
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-1825	EA	4" Flexible 90 Degree Connector, Plain	417.34	13.53
		For Work In Restricted Working Space, Add	*8.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	

26 05 33 13-1826 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-1778)*

26 05 33 13-1827	EA	1/2" Flexible 90 Degree Connector, Insulated	9.78	3.97
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1828	EA	3/4" Flexible 90 Degree Connector, Insulated	12.39	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1829	EA	1" Flexible 90 Degree Connector, Insulated	15.70	5.05
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1830	EA	1-1/4" Flexible 90 Degree Connector, Insulated	26.85	5.41
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1831	EA	1-1/2" Flexible 90 Degree Connector, Insulated	41.78	6.31
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1832	EA	2" Flexible 90 Degree Connector, Insulated	52.63	7.76
		For Work In Restricted Working Space, Add	*4.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-1833	EA	2-1/2" Flexible 90 Degree Connector, Insulated	120.42	8.30
		For Work In Restricted Working Space, Add	*5.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-1834	EA	3" Flexible 90 Degree Connector, Insulated	147.60	9.74
		For Work In Restricted Working Space, Add	*6.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.09*	
26 05 33 13-1835	EA	3-1/2" Flexible 90 Degree Connector, Insulated	387.76	11.90
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-1836	EA	4" Flexible 90 Degree Connector, Insulated	576.47	13.53
		For Work In Restricted Working Space, Add	*8.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	

26 05 33 13-1837 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-1778)*

26 05 33 13-1838	EA	3/8" Flexible 45 Degree Connector, Plain	7.64	3.61
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1839	EA	1/2" Flexible 45 Degree Connector, Plain	10.00	3.97
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1840	EA	3/4" Flexible 45 Degree Connector, Plain	12.55	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	

26 05 33 13-1841 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-1778)*

26 05 33 13-1842	EA	3/8" Flexible 45 Degree Connector, Insulated	8.07	4.33
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1843	EA	1/2" Flexible 45 Degree Connector, Insulated	10.70	3.97
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1844	EA	3/4" Flexible 45 Degree Connector, Insulated	13.54	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1845			**Plain Screw-In Connector** *(26 05 33 13-1778)*		
26 05 33 13-1846		EA	3/8" Flexible Steel Screw-in Connector, Plain	4.43	2.89
			For Work In Restricted Working Space, Add	*1.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	
26 05 33 13-1847		EA	1/2" Flexible Steel Screw-in Connector, Plain	4.82	3.25
			For Work In Restricted Working Space, Add	*1.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-1848		EA	3/4" Flexible Steel Screw-in Connector, Plain	6.04	3.97
			For Work In Restricted Working Space, Add	*1.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1849		EA	1" Flexible Steel Screw-in Connector, Plain	8.47	4.33
			For Work In Restricted Working Space, Add	*2.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1850		EA	1-1/4" Flexible Steel Screw-in Connector, Plain	11.97	5.05
			For Work In Restricted Working Space, Add	*2.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1851		EA	1-1/2" Flexible Steel Screw-in Connector, Plain	14.71	5.41
			For Work In Restricted Working Space, Add	*3.38*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1852		EA	2" Flexible Steel Screw-in Connector, Plain	20.68	6.13
			For Work In Restricted Working Space, Add	*4.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1853			**Insulated Screw-In Connector** *(26 05 33 13-1778)*		
26 05 33 13-1854		EA	3/8" Flexible Steel Screw-in Connector, Insulated	4.62	2.89
			For Work In Restricted Working Space, Add	*1.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	
26 05 33 13-1855		EA	1/2" Flexible Steel Screw-in Connector, Insulated	4.97	3.25
			For Work In Restricted Working Space, Add	*1.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-1856		EA	3/4" Flexible Steel Screw-in Connector, Insulated	6.41	3.97
			For Work In Restricted Working Space, Add	*1.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1857		EA	1" Flexible Steel Screw-in Connector, Insulated	9.04	4.33
			For Work In Restricted Working Space, Add	*2.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1858		EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	12.79	5.05
			For Work In Restricted Working Space, Add	*2.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1859		EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	15.69	5.41
			For Work In Restricted Working Space, Add	*3.38*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1860		EA	2" Flexible Steel Screw-in Connector, Insulated	21.53	6.13
			For Work In Restricted Working Space, Add	*4.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1861			**Screw-In Coupling** *(26 05 33 13-1778)*		
26 05 33 13-1862		EA	1/2" Flexible Steel Screw-in Coupling	5.18	3.25
			For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-1863		EA	3/4" Flexible Steel Screw-in Coupling	6.63	3.97
			For Work In Restricted Working Space, Add	*1.62*	
26 05 33 13-1864			**Flexible To Electrical Metallic Tubing (EMT) Coupling** *(26 05 33 13-1778)*		
26 05 33 13-1865		EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	6.33	2.89
			For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-1866		EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	8.30	3.25
			For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-1867		EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.80	3.97
			For Work In Restricted Working Space, Add	*1.62*	
26 05 33 13-1868			**Die Cast Squeeze Type Straight Connector** *(26 05 33 13-1778)*		
26 05 33 13-1869		EA	3/8" Flexible Straight Connector, Die Cast	4.55	2.89
			For Work In Restricted Working Space, Add	*1.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	
26 05 33 13-1870		EA	1/2" Flexible Straight Connector, Die Cast	5.12	3.25
			For Work In Restricted Working Space, Add	*1.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-1871		EA	3/4" Flexible Straight Connector, Die Cast	6.29	3.97
			For Work In Restricted Working Space, Add	*1.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1872		EA	1" Flexible Straight Connector, Die Cast	9.17	4.33
			For Work In Restricted Working Space, Add	*2.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1873		EA	1-1/4" Flexible Straight Connector, Die Cast	12.15	5.05
			For Work In Restricted Working Space, Add	*2.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1874	EA	1-1/2" Flexible Straight Connector, Die Cast	16.18	5.41
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1875	EA	2" Flexible Straight Connector, Die Cast	20.60	6.13
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	

26 05 33 13-1876 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-1778)*

26 05 33 13-1877	EA	3/8" Flexible 90 Degree Connector, Die Cast	6.03	3.61
		For Work In Restricted Working Space, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.62*	
26 05 33 13-1878	EA	1/2" Flexible 90 Degree Connector, Die Cast	7.35	3.97
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1879	EA	3/4" Flexible 90 Degree Connector, Die Cast	8.78	4.33
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1880	EA	1" Flexible 90 Degree Connector, Die Cast	13.17	5.05
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-1881	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	18.06	5.41
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1882	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	27.04	6.31
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-1883	EA	2" Flexible 90 Degree Connector, Die Cast	32.06	7.76
		For Work In Restricted Working Space, Add	*4.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	

26 05 33 13-1884 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-1736)*

26 05 33 13-1885 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-1884)*

26 05 33 13-1886	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	3.08	0.99
		For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-1887	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	3.13	0.99
		For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-1888	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	4.20	1.32
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-1889	LF	1" Flexible Liquid Tight Non-Metallic Conduit	5.13	1.32
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-1890	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	6.50	1.65
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-1891	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	8.26	1.97
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-1892	LF	2" Flexible Liquid Tight Non-Metallic Conduit	10.63	2.64
		For Work In Restricted Working Space, Add	*1.98*	

26 05 33 13-1893 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-1884)*

26 05 33 13-1894	EA	3/8" Liquid Tight Non-Metallic Straight Connector	8.82	2.64
		For Work In Restricted Working Space, Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1895	EA	1/2" Liquid Tight Non-Metallic Straight Connector	8.82	2.64
		For Work In Restricted Working Space, Add	*1.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1896	EA	3/4" Liquid Tight Non-Metallic Straight Connector	10.71	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-1897	EA	1" Liquid Tight Non-Metallic Straight Connector	13.19	3.30
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-1898	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	17.94	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1899	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	22.24	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1900	EA	2" Liquid Tight Non-Metallic Straight Connector	34.20	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	

26 05 33 13-1901 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-1884)*

26 05 33 13-1902	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	12.69	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1903	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	12.69	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1904	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	15.45	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1905	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	21.59	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-1906	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.36	4.95
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1907	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	34.61	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1908	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	46.19	5.93
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	

26 05 33 13-1909 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-1884)*

26 05 33 13-1910	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	12.69	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1911	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	12.69	3.63
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1912	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	15.45	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1913	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	21.59	4.62
		For Work In Restricted Working Space, Add	*3.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-1914	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.36	4.95
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1915	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	34.61	5.27
		For Work In Restricted Working Space, Add	*3.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1916	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	46.19	5.93
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	

26 05 33 13-1917 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-1736)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-1918 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-1917)*

26 05 33 13-1919	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	2.97	1.08
		For Work In Restricted Working Space, Add	*0.81*	
26 05 33 13-1920	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	3.97	1.44
		For Work In Restricted Working Space, Add	*1.08*	
26 05 33 13-1921	LF	1" Blue ENT Electrical Non-Metallic Tubing	4.20	1.44
		For Work In Restricted Working Space, Add	*1.08*	

26 05 33 13-1922 Terminal Adapter *(26 05 33 13-1917)*

26 05 33 13-1923	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	7.64	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-1924	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	8.90	3.25
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-1925	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	10.02	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	

26 05 33 13-1926 Coupling *(26 05 33 13-1917)*

26 05 33 13-1927	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	7.58	2.89
		For Work In Restricted Working Space, Add	*2.16*	
26 05 33 13-1928	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	8.60	3.25
		For Work In Restricted Working Space, Add	*2.44*	
26 05 33 13-1929	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	9.75	3.61
		For Work In Restricted Working Space, Add	*2.71*	

26 05 33 13-1930 Conduit Installed Below Grade *(26 05 33 13-0040)*

Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.

26 05 33 13-1931 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1930)*

26 05 33 13-1932 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial *(26 05 33 13-1931)*

Note: Includes field bend conduit up to 1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1933	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.68	
		For Schedule 60, Add	*0.17*	
		For Schedule 80, Add	*0.31*	
26 05 33 13-1934	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.94	
		For Schedule 60, Add	*0.19*	
		For Schedule 80, Add	*0.35*	
26 05 33 13-1935	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.24	
		For Schedule 60, Add	*0.23*	
		For Schedule 80, Add	*0.41*	
26 05 33 13-1936	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.53	
		For Schedule 60, Add	*0.26*	
		For Schedule 80, Add	*0.46*	
26 05 33 13-1937	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.83	
		For Schedule 60, Add	*0.30*	
		For Schedule 80, Add	*0.51*	
26 05 33 13-1938	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.18	
		For Schedule 60, Add	*0.35*	
		For Schedule 80, Add	*0.59*	
26 05 33 13-1939	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.79	
		For Schedule 60, Add	*0.46*	
		For Schedule 80, Add	*0.75*	
26 05 33 13-1940	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.19	
		For Schedule 60, Add	*0.52*	
		For Schedule 80, Add	*0.84*	
26 05 33 13-1941	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.75	
		For Schedule 60, Add	*0.62*	
		For Schedule 80, Add	*0.99*	
26 05 33 13-1942	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.11	
		For Schedule 60, Add	*0.67*	
		For Schedule 80, Add	*1.07*	
26 05 33 13-1943	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.12	
		For Schedule 60, Add	*0.89*	
		For Schedule 80, Add	*1.37*	
26 05 33 13-1944	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	8.16	
		For Schedule 60, Add	*1.11*	
		For Schedule 80, Add	*1.69*	

26 05 33 13-1945 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1931)*

See CSI section 26 05 33 13-2387 for conduit field bending.

26 05 33 13-1946	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	19.95	
		For Schedule 60, Add	*1.10*	
		For Schedule 80, Add	*2.13*	
26 05 33 13-1947	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	23.90	
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*2.54*	
26 05 33 13-1948	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	28.14	
		For Schedule 60, Add	*1.60*	
		For Schedule 80, Add	*3.05*	
26 05 33 13-1949	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	32.46	
		For Schedule 60, Add	*1.90*	
		For Schedule 80, Add	*3.59*	
26 05 33 13-1950	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	36.83	
		For Schedule 60, Add	*2.21*	
		For Schedule 80, Add	*4.15*	
26 05 33 13-1951	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	41.34	
		For Schedule 60, Add	*2.57*	
		For Schedule 80, Add	*4.76*	
26 05 33 13-1952	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	47.40	
		For Schedule 60, Add	*3.30*	
		For Schedule 80, Add	*5.91*	
26 05 33 13-1953	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	54.46	
		For Schedule 60, Add	*4.29*	
		For Schedule 80, Add	*7.41*	
26 05 33 13-1954	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	65.42	
		For Schedule 60, Add	*5.48*	
		For Schedule 80, Add	*9.30*	
26 05 33 13-1955	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	76.37	
		For Schedule 60, Add	*6.66*	
		For Schedule 80, Add	*11.19*	
26 05 33 13-1956	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	94.47	
		For Schedule 60, Add	*9.63*	
		For Schedule 80, Add	*15.58*	
26 05 33 13-1957	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	109.03	
		For Schedule 60, Add	*11.72*	
		For Schedule 80, Add	*18.74*	

26 05 33 13-1958 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1931)*

See CSI section 26 05 33 13-2387 for conduit field bending.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1959	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	19.84	
		For Schedule 60, Add	*1.07*	
		For Schedule 80, Add	*2.09*	
26 05 33 13-1960	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	23.86	
		For Schedule 60, Add	*1.30*	
		For Schedule 80, Add	*2.52*	
26 05 33 13-1961	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	28.08	
		For Schedule 60, Add	*1.58*	
		For Schedule 80, Add	*3.03*	
26 05 33 13-1962	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	32.29	
		For Schedule 60, Add	*1.86*	
		For Schedule 80, Add	*3.53*	
26 05 33 13-1963	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	36.46	
		For Schedule 60, Add	*2.12*	
		For Schedule 80, Add	*4.02*	
26 05 33 13-1964	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.14	
		For Schedule 60, Add	*2.52*	
		For Schedule 80, Add	*4.69*	
26 05 33 13-1965	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	47.03	
		For Schedule 60, Add	*3.21*	
		For Schedule 80, Add	*5.78*	
26 05 33 13-1966	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	53.99	
		For Schedule 60, Add	*4.17*	
		For Schedule 80, Add	*7.24*	
26 05 33 13-1967	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	64.10	
		For Schedule 60, Add	*5.15*	
		For Schedule 80, Add	*8.84*	
26 05 33 13-1968	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	75.23	
		For Schedule 60, Add	*6.37*	
		For Schedule 80, Add	*10.79*	
26 05 33 13-1969	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	93.00	
		For Schedule 60, Add	*9.26*	
		For Schedule 80, Add	*15.07*	
26 05 33 13-1970	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.64	
		For Schedule 60, Add	*10.62*	
		For Schedule 80, Add	*17.20*	

26 05 33 13-1971 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial *(26 05 33 13-1931)*

26 05 33 13-1972	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	11.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.26*	
26 05 33 13-1973	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.73*	
26 05 33 13-1974	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	14.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-1975	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.66*	
26 05 33 13-1976	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	17.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.13*	
26 05 33 13-1977	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	19.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-1978	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	22.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.29*	
26 05 33 13-1979	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	25.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-1980	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	30.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.16*	
26 05 33 13-1981	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	34.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.32*	
26 05 33 13-1982	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	41.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 05 33 13-1983	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	46.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	

26 05 33 13-1984 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1931)*

26 05 33 13-1985	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.75
26 05 33 13-1986	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.66
26 05 33 13-1987	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.23
26 05 33 13-1988	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.99
26 05 33 13-1989	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.73
26 05 33 13-1990	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	33.85
26 05 33 13-1991	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	37.74
26 05 33 13-1992	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	44.90
26 05 33 13-1993	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	50.06

26 05 33 13-1994 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial *(26 05 33 13-1931)*

26 05 33 13-1995	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	11.07
26 05 33 13-1996	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	12.74
26 05 33 13-1997	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	14.35
26 05 33 13-1998	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	16.03
26 05 33 13-1999	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	17.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2000	EA	2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	19.37	
26 05 33 13-2001	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	22.43	
26 05 33 13-2002	EA	3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	25.33	
26 05 33 13-2003	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	29.77	
26 05 33 13-2004	EA	4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	33.73	
26 05 33 13-2005	EA	5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	40.19	
26 05 33 13-2006	EA	6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	45.11	

26 05 33 13-2007 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1930)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-2008 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-2007)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-2009	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.84	1.73
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.87*	
26 05 33 13-2010	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.10	2.15
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.99*	
26 05 33 13-2011	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.74	2.40
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.23*	
26 05 33 13-2012	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.71	3.22
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.51*	
26 05 33 13-2013	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	19.71	3.63
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.79*	
26 05 33 13-2014	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	25.08	3.96
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.28*	
26 05 33 13-2015	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	36.65	5.93
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000, Deduct	*-3.36*	
26 05 33 13-2016	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	47.10	7.42
		For >250 To 500, Deduct	*-1.94*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000, Deduct	*-4.30*	
26 05 33 13-2017	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	58.06	7.83
		For >250 To 500, Deduct	*-2.39*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.29*	
26 05 33 13-2018	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	68.89	8.66
		For >250 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000, Deduct	*-6.27*	
26 05 33 13-2019	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	109.56	11.96
		For >250 To 500, Deduct	*-4.69*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000, Deduct	*-10.17*	
26 05 33 13-2020	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	146.78	15.67
		For >250 To 500, Deduct	*-6.35*	
		For >500 To 1,000, Deduct	*-10.02*	
		For >1,000, Deduct	*-13.69*	

26 05 33 13-2021 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-2007)*

26 05 33 13-2022	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	10.56	2.48
26 05 33 13-2023	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.48	3.30
26 05 33 13-2024	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.88	4.12
26 05 33 13-2025	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.97	4.53
26 05 33 13-2026	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	21.30	5.36
26 05 33 13-2027	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	27.86	6.18
26 05 33 13-2028	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	53.17	7.42
26 05 33 13-2029	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	67.17	10.30
26 05 33 13-2030	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	83.64	11.96
26 05 33 13-2031	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	102.81	16.49
26 05 33 13-2032	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	272.90	22.67
26 05 33 13-2033	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	279.75	12.78

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2034		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 33 13-2007)*		
		Note: 90, 45, or 30 degree.		
26 05 33 13-2035	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	40.28	10.30
26 05 33 13-2036	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	45.98	12.78
26 05 33 13-2037	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	54.74	15.67
26 05 33 13-2038	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	65.05	18.14
26 05 33 13-2039	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	76.59	20.61
26 05 33 13-2040	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	94.70	22.67
26 05 33 13-2041	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	149.85	28.45
26 05 33 13-2042	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	226.07	38.75
26 05 33 13-2043	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	282.34	43.69
26 05 33 13-2044	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	319.85	56.88
26 05 33 13-2045	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	682.10	92.75
26 05 33 13-2046	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,076.90	139.34
26 05 33 13-2047		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2048	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	101.09	15.67
26 05 33 13-2049	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	113.45	18.14
26 05 33 13-2050	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	129.57	20.61
26 05 33 13-2051	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	155.83	22.67
26 05 33 13-2052	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	219.05	28.45
26 05 33 13-2053		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2054	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	113.63	15.67
26 05 33 13-2055	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	134.16	18.14
26 05 33 13-2056	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	144.42	20.61
26 05 33 13-2057	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	188.22	22.67
26 05 33 13-2058	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	250.28	28.45
26 05 33 13-2059	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	318.68	38.75
26 05 33 13-2060		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2061	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	128.62	15.67
26 05 33 13-2062	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	144.95	18.14
26 05 33 13-2063	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	163.48	20.61
26 05 33 13-2064	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	198.96	22.67
26 05 33 13-2065	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	286.16	28.45
26 05 33 13-2066	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	360.80	38.75
26 05 33 13-2067	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	458.77	43.69
26 05 33 13-2068	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	512.06	56.88
26 05 33 13-2069		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial *(26 05 33 13-2007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2070	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	154.51	15.67
26 05 33 13-2071	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	170.27	18.14
26 05 33 13-2072	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	192.23	20.61
26 05 33 13-2073	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	240.36	22.67
26 05 33 13-2074	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	350.38	28.45
26 05 33 13-2075	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	432.18	38.75
26 05 33 13-2076	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	502.35	43.69
26 05 33 13-2077	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	592.07	56.88
26 05 33 13-2078		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-2007)*		
26 05 33 13-2079	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	174.65	15.67
26 05 33 13-2080	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	193.84	18.14
26 05 33 13-2081	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	220.52	20.61
26 05 33 13-2082	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	276.40	22.67
26 05 33 13-2083	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	385.42	28.45
26 05 33 13-2084	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	489.27	38.75
26 05 33 13-2085	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	608.32	43.69
26 05 33 13-2086	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	665.51	56.88
26 05 33 13-2087	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,110.86	92.75
26 05 33 13-2088		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-2007)*		
26 05 33 13-2089	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	200.99	15.67
26 05 33 13-2090	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	222.32	18.14
26 05 33 13-2091	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	251.54	20.61
26 05 33 13-2092	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	316.37	22.67
26 05 33 13-2093	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	443.81	28.45
26 05 33 13-2094	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	562.01	38.75
26 05 33 13-2095	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	661.41	43.69
26 05 33 13-2096	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	760.32	56.88
26 05 33 13-2097	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,177.31	92.75
26 05 33 13-2098	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,601.95	139.34
26 05 33 13-2099		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-2007)*		
26 05 33 13-2100	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	237.67	15.67
26 05 33 13-2101	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	247.71	18.14
26 05 33 13-2102	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	293.06	20.61
26 05 33 13-2103	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	372.01	22.67
26 05 33 13-2104	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	522.55	28.45
26 05 33 13-2105	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	660.07	38.75
26 05 33 13-2106	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	809.02	43.69
26 05 33 13-2107	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	944.77	56.88

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2108		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,394.05	92.75
26 05 33 13-2109		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,701.44	139.34
26 05 33 13-2110			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2111		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	246.50	15.67
26 05 33 13-2112		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	290.65	18.14
26 05 33 13-2113		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	328.96	20.61
26 05 33 13-2114		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	388.74	22.67
26 05 33 13-2115		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	542.22	28.45
26 05 33 13-2116		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	690.23	38.75
26 05 33 13-2117		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	889.42	43.69
26 05 33 13-2118		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	986.60	56.88
26 05 33 13-2119		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,452.28	92.75
26 05 33 13-2120		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,751.99	139.34
26 05 33 13-2121			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2122		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	79.22	10.30
26 05 33 13-2123		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	85.24	12.78
26 05 33 13-2124		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	111.34	15.67
26 05 33 13-2125		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	165.04	18.14
26 05 33 13-2126		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	196.54	20.61
26 05 33 13-2127		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	252.33	22.67
26 05 33 13-2128		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	337.09	28.45
26 05 33 13-2129		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	443.19	28.45
26 05 33 13-2130		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	566.60	43.69
26 05 33 13-2131		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	729.08	56.88
26 05 33 13-2132		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,335.57	92.75
26 05 33 13-2133		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,648.39	139.34
26 05 33 13-2134			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-2007)*		
26 05 33 13-2135		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	81.20	10.30
26 05 33 13-2136		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	92.78	12.78
26 05 33 13-2137		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	115.36	15.67
26 05 33 13-2138		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	172.42	18.14
26 05 33 13-2139		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	206.78	20.61
26 05 33 13-2140		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	274.45	22.67
26 05 33 13-2141		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	384.42	28.45
26 05 33 13-2142		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	491.32	28.45
26 05 33 13-2143		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	653.60	43.69
26 05 33 13-2144		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	815.76	56.88
26 05 33 13-2145		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,494.47	92.75

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26 05 33 13-2146	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,904.97	139.34

26 05 33 13-2147 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-2007)*

26 05 33 13-2148	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.51	4.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-2149	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.31	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2150	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.54	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2151	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.12	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2152	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.31	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2153	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.48	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2154	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.58	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2155	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.84	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2156	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.55	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2157	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.93	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2158	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.54	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2159	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.64	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2160	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.74	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2161	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.13	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2162	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.86	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2163	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.25	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2164	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.35	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2165	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.79	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2166	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.90	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2167	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.45	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2168	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.18	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2169	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.70	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2170	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.90	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2171	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.36	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2172	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.66	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2173	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.95	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2174	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.19	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2175	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.77	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2176	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.50	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2177	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.16	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2178	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.44	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2179	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.61	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2180	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.50	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2181	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.95	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2182	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	140.61	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2183	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.25	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2184	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.51	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2185	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.11	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2186	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.11	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2187	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.79	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2188	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.83	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2189	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.55	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2190	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	108.74	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2191	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.49	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2192	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.74	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2193	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	214.99	39.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-2194	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.82	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2195	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.08	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2196	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.72	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2197	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.24	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2198	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.15	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2199	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.21	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2200	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.64	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2201	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.37	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2202	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.17	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2203	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.37	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2204	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	236.86	39.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-2205	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.70	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2206	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.94	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2207	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.08	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2208	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.54	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2209	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.93	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2210	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.98	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2211	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	106.81	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2212	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	131.54	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2213	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	153.88	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2214	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.33	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2215	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	251.84	39.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-2216	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.63	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2217	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.85	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2218	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.42	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2219	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.63	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2220	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.51	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2221	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.93	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2222	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.62	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2223	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	148.41	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2224	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	176.68	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2225	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	219.75	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2226	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	281.75	39.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-2227	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.59	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2228	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.92	6.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2229	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.83	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2230	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.35	9.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-2231	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.48	10.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2232	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.92	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-2233	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.38	14.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2234	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	173.71	19.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.63*	
26 05 33 13-2235	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	190.67	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 05 33 13-2236	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	231.54	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2237	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	286.02	39.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	

26 05 33 13-2238 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1930)*

Note: Direct burial or encased application.

26 05 33 13-2239 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2238)*

26 05 33 13-2240	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.14	1.01
		For Work In Restricted Working Space, Add	*0.76*	
26 05 33 13-2241	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.55	1.09
		For Work In Restricted Working Space, Add	*0.82*	
26 05 33 13-2242	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.84	1.16
		For Work In Restricted Working Space, Add	*0.87*	
26 05 33 13-2243	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.14	1.24
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2244	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.51	1.32
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-2245	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.76	1.40
		For Work In Restricted Working Space, Add	*1.05*	
26 05 33 13-2246	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.41	1.47
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2247	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.14	1.55
		For Work In Restricted Working Space, Add	*1.17*	
26 05 33 13-2248	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.74	1.63
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2249	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.34	1.71
		For Work In Restricted Working Space, Add	*1.28*	
26 05 33 13-2250	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.55	1.78
		For Work In Restricted Working Space, Add	*1.34*	
26 05 33 13-2251	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.01	1.86
		For Work In Restricted Working Space, Add	*1.40*	

26 05 33 13-2252 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2238)*

26 05 33 13-2253	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	49.43	7.77
		For Work In Restricted Working Space, Add	*5.83*	
		For 24" Radius, Add	*3.22*	
		For 36" Radius, Add	*4.94*	
		For 48" Radius, Add	*6.66*	
26 05 33 13-2254	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	56.90	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For 24" Radius, Add	*3.68*	
		For 36" Radius, Add	*5.69*	
		For 48" Radius, Add	*7.70*	
26 05 33 13-2255	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	61.12	10.88
		For Work In Restricted Working Space, Add	*8.16*	
		For 24" Radius, Add	*3.90*	
		For 36" Radius, Add	*6.11*	
		For 48" Radius, Add	*8.32*	
26 05 33 13-2256	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	65.34	12.43
		For Work In Restricted Working Space, Add	*9.32*	
		For 24" Radius, Add	*4.12*	
		For 36" Radius, Add	*6.53*	
		For 48" Radius, Add	*8.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2257	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	69.57	13.98
		For Work In Restricted Working Space, Add	*10.49*	
		For 24" Radius, Add	*4.34*	
		For 36" Radius, Add	*6.96*	
		For 48" Radius, Add	*9.57*	
26 05 33 13-2258	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	78.22	15.54
		For Work In Restricted Working Space, Add	*11.66*	
		For 24" Radius, Add	*4.90*	
		For 36" Radius, Add	*7.82*	
		For 48" Radius, Add	*10.75*	
26 05 33 13-2259	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	89.86	17.10
		For Work In Restricted Working Space, Add	*12.82*	
		For 24" Radius, Add	*5.67*	
		For 36" Radius, Add	*8.99*	
		For 48" Radius, Add	*12.30*	
26 05 33 13-2260	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	103.17	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For 24" Radius, Add	*6.57*	
		For 36" Radius, Add	*10.32*	
		For 48" Radius, Add	*14.06*	
26 05 33 13-2261	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	118.02	21.75
		For Work In Restricted Working Space, Add	*16.32*	
		For 24" Radius, Add	*7.49*	
		For 36" Radius, Add	*11.80*	
		For 48" Radius, Add	*16.11*	
26 05 33 13-2262	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	132.85	27.97
		For Work In Restricted Working Space, Add	*18.65*	
		For 24" Radius, Add	*8.41*	
		For 36" Radius, Add	*13.29*	
		For 48" Radius, Add	*18.16*	
26 05 33 13-2263	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	158.29	27.97
		For Work In Restricted Working Space, Add	*20.98*	
		For 24" Radius, Add	*10.12*	
		For 36" Radius, Add	*15.83*	
		For 48" Radius, Add	*21.53*	
26 05 33 13-2264	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	188.14	31.08
		For Work In Restricted Working Space, Add	*23.31*	
		For 24" Radius, Add	*12.17*	
		For 36" Radius, Add	*18.81*	
		For 48" Radius, Add	*25.46*	

26 05 33 13-2265 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2238)*

26 05 33 13-2266	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	23.30	4.35
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-2267	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	26.27	4.98
		For Work In Restricted Working Space, Add	*3.73*	
26 05 33 13-2268	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	27.96	5.60
		For Work In Restricted Working Space, Add	*4.19*	
26 05 33 13-2269	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	29.64	6.22
		For Work In Restricted Working Space, Add	*4.66*	
26 05 33 13-2270	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	31.48	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-2271	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	35.78	7.46
		For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-2272	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	41.60	8.39
		For Work In Restricted Working Space, Add	*6.29*	
26 05 33 13-2273	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	48.05	9.32
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-2274	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	55.02	10.88
		For Work In Restricted Working Space, Add	*8.16*	
26 05 33 13-2275	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	62.01	12.43
		For Work In Restricted Working Space, Add	*9.32*	
26 05 33 13-2276	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	73.62	13.98
		For Work In Restricted Working Space, Add	*10.49*	
26 05 33 13-2277	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	87.15	15.54
		For Work In Restricted Working Space, Add	*11.66*	

26 05 33 13-2278 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2238)*

26 05 33 13-2279	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	17.89	4.35
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-2280	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	20.22	4.98
		For Work In Restricted Working Space, Add	*3.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2281	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	21.85	5.60
		For Work In Restricted Working Space, Add	*4.19*	
26 05 33 13-2282	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	23.49	6.22
		For Work In Restricted Working Space, Add	*4.66*	
26 05 33 13-2283	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	25.13	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-2284	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	26.73	7.46
		For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-2285	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	30.68	8.39
		For Work In Restricted Working Space, Add	*6.29*	
26 05 33 13-2286	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	34.95	9.32
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-2287	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	40.28	10.88
		For Work In Restricted Working Space, Add	*8.16*	
26 05 33 13-2288	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	45.63	12.43
		For Work In Restricted Working Space, Add	*9.32*	
26 05 33 13-2289	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	53.17	13.98
		For Work In Restricted Working Space, Add	*10.49*	
26 05 33 13-2290	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	61.59	15.54
		For Work In Restricted Working Space, Add	*11.66*	

26 05 33 13-2291 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2238)*

26 05 33 13-2292	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	14.93	2.48
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2293	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	16.67	2.79
		For Work In Restricted Working Space, Add	*2.10*	
26 05 33 13-2294	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	17.56	3.10
		For Work In Restricted Working Space, Add	*2.33*	
26 05 33 13-2295	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	18.39	3.42
		For Work In Restricted Working Space, Add	*2.56*	
26 05 33 13-2296	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	19.39	3.73
		For Work In Restricted Working Space, Add	*2.80*	
26 05 33 13-2297	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	22.87	4.35
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-2298	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	27.59	5.29
		For Work In Restricted Working Space, Add	*3.96*	
26 05 33 13-2299	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.80	6.22
		For Work In Restricted Working Space, Add	*4.66*	
26 05 33 13-2300	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.84	7.77
		For Work In Restricted Working Space, Add	*5.83*	
26 05 33 13-2301	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	44.88	9.32
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-2302	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	54.14	10.88
		For Work In Restricted Working Space, Add	*8.16*	
26 05 33 13-2303	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	64.78	12.43
		For Work In Restricted Working Space, Add	*9.32*	

26 05 33 13-2304 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2238)*

26 05 33 13-2305	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	48.45	15.54
		For Work In Restricted Working Space, Add	*11.66*	
26 05 33 13-2306	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	57.27	18.65
		For Work In Restricted Working Space, Add	*13.99*	
26 05 33 13-2307	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	65.17	21.75
		For Work In Restricted Working Space, Add	*16.32*	
26 05 33 13-2308	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	73.01	24.87
		For Work In Restricted Working Space, Add	*18.65*	
26 05 33 13-2309	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	77.14	26.42
		For Work In Restricted Working Space, Add	*19.82*	
26 05 33 13-2310	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	83.12	27.97
		For Work In Restricted Working Space, Add	*20.98*	
26 05 33 13-2311	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	89.65	29.53
		For Work In Restricted Working Space, Add	*22.15*	
26 05 33 13-2312	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	96.70	31.08
		For Work In Restricted Working Space, Add	*23.31*	
26 05 33 13-2313	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	102.97	32.63
		For Work In Restricted Working Space, Add	*24.48*	
26 05 33 13-2314	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	109.23	34.19
		For Work In Restricted Working Space, Add	*25.64*	
26 05 33 13-2315	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	119.05	35.75
		For Work In Restricted Working Space, Add	*26.81*	
26 05 33 13-2316	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	130.36	37.30
		For Work In Restricted Working Space, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2317		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-2238)*		
26 05 33 13-2318	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	52.35	15.54
		For Work In Restricted Working Space, Add	*11.66*	
26 05 33 13-2319	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	61.64	18.65
		For Work In Restricted Working Space, Add	*13.99*	
26 05 33 13-2320	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	69.56	21.75
		For Work In Restricted Working Space, Add	*16.32*	
26 05 33 13-2321	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	77.45	24.87
		For Work In Restricted Working Space, Add	*18.65*	
26 05 33 13-2322	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	81.61	26.42
		For Work In Restricted Working Space, Add	*19.82*	
26 05 33 13-2323	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	88.24	27.97
		For Work In Restricted Working Space, Add	*20.98*	
26 05 33 13-2324	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	95.79	29.53
		For Work In Restricted Working Space, Add	*22.15*	
26 05 33 13-2325	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	104.07	31.08
		For Work In Restricted Working Space, Add	*23.31*	
26 05 33 13-2326	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	111.25	32.63
		For Work In Restricted Working Space, Add	*24.48*	
26 05 33 13-2327	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	118.44	34.19
		For Work In Restricted Working Space, Add	*25.64*	
26 05 33 13-2328	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	130.59	35.75
		For Work In Restricted Working Space, Add	*26.81*	
26 05 33 13-2329	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	144.79	37.30
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-2330		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-2238)*		
26 05 33 13-2331	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	42.98	4.35
		For Work In Restricted Working Space, Add	*3.26*	
26 05 33 13-2332	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	48.09	4.98
		For Work In Restricted Working Space, Add	*3.73*	
26 05 33 13-2333	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	50.74	5.60
		For Work In Restricted Working Space, Add	*4.19*	
26 05 33 13-2334	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	53.44	6.22
		For Work In Restricted Working Space, Add	*4.66*	
26 05 33 13-2335	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	55.59	6.84
		For Work In Restricted Working Space, Add	*5.13*	
26 05 33 13-2336	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	60.80	7.46
		For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-2337	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	71.57	8.39
		For Work In Restricted Working Space, Add	*6.29*	
26 05 33 13-2338	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	83.98	9.32
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-2339	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	106.92	12.43
		For Work In Restricted Working Space, Add	*9.32*	
26 05 33 13-2340	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	129.80	13.98
		For Work In Restricted Working Space, Add	*10.49*	
26 05 33 13-2341	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	156.66	15.54
		For Work In Restricted Working Space, Add	*11.66*	
26 05 33 13-2342		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-2238)*		
26 05 33 13-2343	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	59.13	15.54
		For Work In Restricted Working Space, Add	*11.66*	
26 05 33 13-2344	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	69.16	18.65
		For Work In Restricted Working Space, Add	*13.99*	
26 05 33 13-2345	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	82.24	21.75
		For Work In Restricted Working Space, Add	*16.32*	
26 05 33 13-2346	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	99.71	24.87
		For Work In Restricted Working Space, Add	*18.65*	
26 05 33 13-2347	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	117.51	26.42
		For Work In Restricted Working Space, Add	*19.82*	
26 05 33 13-2348	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	146.19	27.97
		For Work In Restricted Working Space, Add	*20.98*	
26 05 33 13-2349	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	193.82	29.53
		For Work In Restricted Working Space, Add	*22.15*	
26 05 33 13-2350	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	226.50	31.08
		For Work In Restricted Working Space, Add	*23.31*	
26 05 33 13-2351	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	264.59	32.63
		For Work In Restricted Working Space, Add	*24.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2352	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	302.68	34.19
		For Work In Restricted Working Space, Add	*25.64*	
26 05 33 13-2353	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	347.36	35.75
		For Work In Restricted Working Space, Add	*26.81*	
26 05 33 13-2354	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	531.25	37.30
		For Work In Restricted Working Space, Add	*27.98*	

26 05 33 13-2355 Spacers *(26 05 33 13-1930)*

Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1930 for conduit.

26 05 33 13-2356	EA	1" Base Spacers, Average 4" Wide, Direct Burial	7.86
26 05 33 13-2357	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.50
26 05 33 13-2358	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	9.40
26 05 33 13-2359	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	10.17
26 05 33 13-2360	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.46
26 05 33 13-2361	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.21
26 05 33 13-2362	EA	2" Base Spacer, Average 4" Wide, Direct Burial	11.84
26 05 33 13-2363	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.99
26 05 33 13-2364	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.11
26 05 33 13-2365	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.67
26 05 33 13-2366	EA	3" Base Spacer, Average 4" Wide, Direct Burial	15.05
26 05 33 13-2367	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	14.33
26 05 33 13-2368	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.30
26 05 33 13-2369	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.56
26 05 33 13-2370	EA	4" Base Spacer, Average 4" Wide, Direct Burial	16.77
26 05 33 13-2371	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	16.00
26 05 33 13-2372	EA	5" Base Spacer, Average 4" Wide, Direct Burial	18.54
26 05 33 13-2373	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	17.62
26 05 33 13-2374	EA	6" Base Spacer, Average 4" Wide, Direct Burial	20.63
26 05 33 13-2375	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	19.87

26 05 33 13-2376 Conduit Field Bending *(26 05 33 13-0040)*

26 05 33 13-2377 Metallic Conduit Field Bending *(26 05 33 13-2376)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2378	EA	1-1/4" Metallic Conduit Field Bending	13.88
26 05 33 13-2379	EA	1-1/2" Metallic Conduit Field Bending	18.52
26 05 33 13-2380	EA	2" Metallic Conduit Field Bending	23.14
26 05 33 13-2381	EA	2-1/2" Metallic Conduit Field Bending	32.40
26 05 33 13-2382	EA	3" Metallic Conduit Field Bending	41.65
26 05 33 13-2383	EA	3-1/2" Metallic Conduit Field Bending	50.92
26 05 33 13-2384	EA	4" Metallic Conduit Field Bending	60.17
26 05 33 13-2385	EA	5" Metallic Conduit Field Bending	74.05
26 05 33 13-2386	EA	6" Metallic Conduit Field Bending	87.94

26 05 33 13-2387 Plastic Conduit Field Bending *(26 05 33 13-2376)*

Note: For PVC conduits.

26 05 33 13-2388	EA	1" Plastic Conduit Field Bending	21.29
26 05 33 13-2389	EA	1-1/4" Plastic Conduit Field Bending	23.14
26 05 33 13-2390	EA	1-1/2" Plastic Conduit Field Bending	27.77
26 05 33 13-2391	EA	2" Plastic Conduit Field Bending	37.03
26 05 33 13-2392	EA	2-1/2" Plastic Conduit Field Bending	46.29
26 05 33 13-2393	EA	3" Plastic Conduit Field Bending	55.54
26 05 33 13-2394	EA	3-1/2" Plastic Conduit Field Bending	64.80
26 05 33 13-2395	EA	4" Plastic Conduit Field Bending	74.05
26 05 33 13-2396	EA	5" Plastic Conduit Field Bending	83.31
26 05 33 13-2397	EA	6" Plastic Conduit Field Bending	92.57

26 05 33 13-2398 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0040)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2399	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	27.10
		For Work In Restricted Working Space, Add	*8.13*
26 05 33 13-2400	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	29.81
		For Work In Restricted Working Space, Add	*8.94*
26 05 33 13-2401	EA	1", Cut And Thread Existing In-Place Threaded Conduit	32.52
		For Work In Restricted Working Space, Add	*9.76*
26 05 33 13-2402	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	35.23
		For Work In Restricted Working Space, Add	*10.57*
26 05 33 13-2403	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	37.03
		For Work In Restricted Working Space, Add	*11.11*
26 05 33 13-2404	EA	2", Cut And Thread Existing In-Place Threaded Conduit	38.84
		For Work In Restricted Working Space, Add	*11.65*
26 05 33 13-2405	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	40.65
		For Work In Restricted Working Space, Add	*12.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2406	EA	3", Cut And Thread Existing In-Place Threaded Conduit	42.45	
		For Work In Restricted Working Space, Add	*12.74*	
26 05 33 13-2407	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	43.35	
		For Work In Restricted Working Space, Add	*13.01*	
26 05 33 13-2408	EA	4", Cut And Thread Existing In-Place Threaded Conduit	44.26	
		For Work In Restricted Working Space, Add	*13.28*	
26 05 33 13-2409	EA	5", Cut And Thread Existing In-Place Threaded Conduit	46.06	
		For Work In Restricted Working Space, Add	*13.82*	
26 05 33 13-2410	EA	6", Cut And Thread Existing In-Place Threaded Conduit	47.87	
		For Work In Restricted Working Space, Add	*14.36*	

26 05 33 13-2411 Conduit Bodies *(26 05 33 13-0040)*

26 05 33 13-2412 Threaded, Cast Aluminum Conduit Body *(26 05 33 13-2411)*

26 05 33 13-2413 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body *(26 05 33 13-2412)*

26 05 33 13-2414	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	45.22	15.83
		For Mogul LB, Add	*2.26*	
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 05 33 13-2415	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.03	18.14
		For Mogul LB, Add	*3.49*	
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2416	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.69	21.11
		For Mogul LB, Add	*5.56*	
		For Work In Restricted Working Space, Add	*15.83*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	
26 05 33 13-2417	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.50	24.08
		For Mogul LB, Add	*9.23*	
		For Work In Restricted Working Space, Add	*18.05*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-2418	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	87.02	26.38
		For Mogul LB, Add	*12.50*	
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2419	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.16	31.66
		For Mogul LB, Add	*21.55*	
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2420	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	186.57	44.53
		For Mogul LB, Add	*50.89*	
		For Work In Restricted Working Space, Add	*33.39*	
		For Installation Above 14', Add	*16.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.39*	
26 05 33 13-2421	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	245.60	59.36
		For Mogul LB, Add	*65.47*	
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2422	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	324.50	74.21
		For Mogul LB, Add	*94.97*	
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2423	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	419.04	90.36
		For Mogul LB, Add	*133.56*	
		For Work In Restricted Working Space, Add	*67.77*	
		For Installation Above 14', Add	*33.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	

26 05 33 13-2424 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2412)*

26 05 33 13-2425	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	45.91	15.83
		For Mogul LB, Add	*2.78*	
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 05 33 13-2426	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.70	18.14
		For Mogul LB, Add	*4.00*	
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2427	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.04	21.11
		For Mogul LB, Add	*6.57*	
		For Work In Restricted Working Space, Add	*15.83*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2428	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.15	24.08
		For Mogul LB, Add	*10.47*	
		For Work In Restricted Working Space, Add	*18.05*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-2429	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	89.82	26.38
		For Mogul LB, Add	*14.60*	
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2430	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	119.17	31.66
		For Mogul LB, Add	*26.06*	
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2431	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	183.54	44.53
		For Mogul LB, Add	*48.62*	
		For Work In Restricted Working Space, Add	*33.39*	
		For Installation Above 14', Add	*16.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.39*	
26 05 33 13-2432	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	235.40	59.36
		For Mogul LB, Add	*57.82*	
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2433	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	333.20	74.21
		For Mogul LB, Add	*101.49*	
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2434	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	436.81	90.36
		For Mogul LB, Add	*146.89*	
		For Work In Restricted Working Space, Add	*67.77*	
		For Installation Above 14', Add	*33.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	

26 05 33 13-2435 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2412)*

26 05 33 13-2436	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	52.85	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2437	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	62.41	21.11
		For Work In Restricted Working Space, Add	*15.83*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	
26 05 33 13-2438	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	71.38	23.08
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-2439	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	86.66	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2440	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	99.46	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Installation Above 14', Add	*10.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2441	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	130.94	33.97
		For Work In Restricted Working Space, Add	*25.48*	
		For Installation Above 14', Add	*12.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.48*	
26 05 33 13-2442	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	204.99	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Installation Above 14', Add	*18.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 05 33 13-2443	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	265.01	64.31
		For Work In Restricted Working Space, Add	*48.23*	
		For Installation Above 14', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.23*	
26 05 33 13-2444	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	414.38	79.15
		For Work In Restricted Working Space, Add	*59.36*	
		For Installation Above 14', Add	*29.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.36*	
26 05 33 13-2445	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	476.65	95.31
		For Work In Restricted Working Space, Add	*71.48*	
		For Installation Above 14', Add	*35.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.48*	

26 05 33 13-2446 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2412)*

26 05 33 13-2447	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	46.05	15.83
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2448	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.22	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2449	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.67	20.78
		For Work In Restricted Working Space, Add	*15.58*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 05 33 13-2450	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.49	24.08
		For Work In Restricted Working Space, Add	*18.05*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-2451	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.56	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2452	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.21	31.66
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2453	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	180.98	44.53
		For Work In Restricted Working Space, Add	*33.39*	
		For Installation Above 14', Add	*16.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.39*	
26 05 33 13-2454	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	233.76	59.36
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2455	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	327.97	74.21
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2456	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	420.67	90.36
		For Work In Restricted Working Space, Add	*67.77*	
		For Installation Above 14', Add	*33.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	

26 05 33 13-2457 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2412)*

26 05 33 13-2458	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	61.14	20.78
		For Work In Restricted Working Space, Add	*15.58*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 05 33 13-2459	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	70.17	23.08
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-2460	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	84.55	25.39
		For Work In Restricted Working Space, Add	*19.05*	
		For Installation Above 14', Add	*9.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.05*	
26 05 33 13-2461	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	97.34	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Installation Above 14', Add	*10.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2462	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	122.57	31.66
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2463	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	148.50	38.91
		For Work In Restricted Working Space, Add	*29.19*	
		For Installation Above 14', Add	*14.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.19*	
26 05 33 13-2464	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	269.69	57.05
		For Work In Restricted Working Space, Add	*42.79*	
		For Installation Above 14', Add	*21.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 05 33 13-2465	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	334.34	74.21
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2466	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	470.90	91.69
		For Work In Restricted Working Space, Add	*69.26*	
		For Installation Above 14', Add	*34.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.26*	
26 05 33 13-2467	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	568.21	110.15
		For Work In Restricted Working Space, Add	*82.61*	
		For Installation Above 14', Add	*41.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.61*	

26 05 33 13-2468 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2411)*

26 05 33 13-2469 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2468)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2470	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.15	15.83
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 05 33 13-2471	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	54.64	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2472	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	66.61	21.11
		For Work In Restricted Working Space, Add	*15.83*	
		For Installation Above 14', Add	*7.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	
26 05 33 13-2473	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	85.02	24.08
		For Work In Restricted Working Space, Add	*18.05*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-2474	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	96.43	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2475	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	130.15	31.66
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2476	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	215.69	44.53
		For Work In Restricted Working Space, Add	*33.39*	
		For Installation Above 14', Add	*16.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.39*	
26 05 33 13-2477	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	304.12	59.36
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2478	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	416.03	74.21
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2479	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	498.50	90.36
		For Work In Restricted Working Space, Add	*67.77*	
		For Installation Above 14', Add	*33.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	

26 05 33 13-2480 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2468)*

26 05 33 13-2481	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	48.90	15.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 05 33 13-2482	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.16	18.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2483	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	69.29	21.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	
26 05 33 13-2484	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	86.82	24.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-2485	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	98.63	26.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2486	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.65	31.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2487	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	190.66	44.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.39*	
26 05 33 13-2488	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	259.11	59.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2489	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	442.53	74.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2490	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	518.05	90.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	

26 05 33 13-2491 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2468)*

26 05 33 13-2492	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	57.86	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2493	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	68.22	21.11
		For Work In Restricted Working Space, Add	*16.08*	
		For Installation Above 14', Add	*8.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.08*	
26 05 33 13-2494	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	79.85	23.08
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-2495	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	99.42	26.38
		For Work In Restricted Working Space, Add	*19.54*	
		For Installation Above 14', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2496	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	113.75	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Installation Above 14', Add	*10.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2497	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	149.47	33.97
		For Work In Restricted Working Space, Add	*25.48*	
		For Installation Above 14', Add	*12.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.48*	
26 05 33 13-2498	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	191.39	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Installation Above 14', Add	*18.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 05 33 13-2499	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	273.31	64.31
		For Work In Restricted Working Space, Add	*48.23*	
		For Installation Above 14', Add	*24.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.23*	
26 05 33 13-2500	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	467.14	79.15
		For Work In Restricted Working Space, Add	*59.36*	
		For Installation Above 14', Add	*29.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.36*	
26 05 33 13-2501	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	541.81	95.31
		For Work In Restricted Working Space, Add	*71.73*	
		For Installation Above 14', Add	*35.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.73*	
26 05 33 13-2502		Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2468)*		
26 05 33 13-2503	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.28	15.83
		For Work In Restricted Working Space, Add	*11.87*	
		For Installation Above 14', Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 05 33 13-2504	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	56.91	18.14
		For Work In Restricted Working Space, Add	*13.61*	
		For Installation Above 14', Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 33 13-2505	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	66.42	20.78
		For Work In Restricted Working Space, Add	*15.58*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 05 33 13-2506	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.33	24.08
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2507	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	102.62	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Installation Above 14', Add	*9.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2508	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	131.91	31.66
		For Work In Restricted Working Space, Add	*23.75*	
		For Installation Above 14', Add	*11.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2509	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	299.39	83.52
		For Work In Restricted Working Space, Add	*62.61*	
		For Installation Above 14', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.61*	
26 05 33 13-2510	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	278.02	59.36
		For Work In Restricted Working Space, Add	*44.52*	
		For Installation Above 14', Add	*22.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.52*	
26 05 33 13-2511	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	442.53	74.21
		For Work In Restricted Working Space, Add	*55.65*	
		For Installation Above 14', Add	*27.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2512	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	518.03	90.36
		For Work In Restricted Working Space, Add	*67.77*	
		For Installation Above 14', Add	*33.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.77*	
26 05 33 13-2513		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2468)*		
26 05 33 13-2514	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	65.81	20.78
		For Work In Restricted Working Space, Add	*15.58*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 05 33 13-2515	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	72.11	23.08
		For Work In Restricted Working Space, Add	*17.32*	
		For Installation Above 14', Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.32*	
26 05 33 13-2516	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	83.24	25.39
		For Work In Restricted Working Space, Add	*19.05*	
		For Installation Above 14', Add	*9.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.05*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2517		EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	98.62	29.02
			For Work In Restricted Working Space, Add	*21.77*	
			For Installation Above 14', Add	*10.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2518		EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	113.17	31.66
			For Work In Restricted Working Space, Add	*23.75*	
			For Installation Above 14', Add	*11.87*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.75*	
26 05 33 13-2519		EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	156.51	38.91
			For Work In Restricted Working Space, Add	*29.19*	
			For Installation Above 14', Add	*14.59*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.19*	
26 05 33 13-2520		EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	248.37	57.05
			For Work In Restricted Working Space, Add	*42.79*	
			For Installation Above 14', Add	*21.40*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 05 33 13-2521		EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	361.21	74.21
			For Work In Restricted Working Space, Add	*55.65*	
			For Installation Above 14', Add	*27.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2522		EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	533.03	91.69
			For Work In Restricted Working Space, Add	*68.76*	
			For Installation Above 14', Add	*34.38*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.76*	
26 05 33 13-2523		EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	597.97	110.15
			For Work In Restricted Working Space, Add	*82.61*	
			For Installation Above 14', Add	*41.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.61*	

26 05 33 13-2524 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2411)*

26 05 33 13-2525 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2524)*

26 05 33 13-2526		EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.25	6.26
			For Work In Restricted Working Space, Add	*4.70*	
			For Installation Above 14', Add	*2.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2527		EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.52	8.25
			For Work In Restricted Working Space, Add	*6.18*	
			For Installation Above 14', Add	*3.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2528		EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.32	10.22
			For Work In Restricted Working Space, Add	*7.67*	
			For Installation Above 14', Add	*3.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2529		EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.49	12.53
			For Work In Restricted Working Space, Add	*9.40*	
			For Installation Above 14', Add	*4.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.40*	
26 05 33 13-2530		EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	64.52	14.51
			For Work In Restricted Working Space, Add	*10.88*	
			For Installation Above 14', Add	*5.44*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 05 33 13-2531		EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.69	16.49
			For Work In Restricted Working Space, Add	*12.37*	
			For Installation Above 14', Add	*6.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 05 33 13-2532 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2524)*

26 05 33 13-2533		EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.43	6.26
			For Work In Restricted Working Space, Add	*4.70*	
			For Installation Above 14', Add	*2.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2534		EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	29.21	8.25
			For Work In Restricted Working Space, Add	*6.18*	
			For Installation Above 14', Add	*3.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2535		EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.91	10.22
			For Work In Restricted Working Space, Add	*7.67*	
			For Installation Above 14', Add	*3.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2536		EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.28	12.53
			For Work In Restricted Working Space, Add	*9.40*	
			For Installation Above 14', Add	*4.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.40*	
26 05 33 13-2537		EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	60.51	14.51
			For Work In Restricted Working Space, Add	*10.88*	
			For Installation Above 14', Add	*5.44*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 05 33 13-2538		EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.35	16.49
			For Work In Restricted Working Space, Add	*12.37*	
			For Installation Above 14', Add	*6.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2539		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2524)*		
26 05 33 13-2540	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	28.89	8.25
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2541	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	37.50	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2542	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	45.28	12.53
		For Work In Restricted Working Space, Add	*9.40*	
		For Installation Above 14', Add	*4.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.40*	
26 05 33 13-2543	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	62.02	14.51
		For Work In Restricted Working Space, Add	*11.38*	
		For Installation Above 14', Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.38*	
26 05 33 13-2544	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	79.06	16.49
		For Work In Restricted Working Space, Add	*13.36*	
		For Installation Above 14', Add	*6.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.36*	
26 05 33 13-2545	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	105.37	18.46
		For Work In Restricted Working Space, Add	*15.34*	
		For Installation Above 14', Add	*7.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 05 33 13-2546		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2524)*		
26 05 33 13-2547	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	23.02	6.26
		For Work In Restricted Working Space, Add	*4.70*	
		For Installation Above 14', Add	*2.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-2548	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.75	8.25
		For Work In Restricted Working Space, Add	*6.18*	
		For Installation Above 14', Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-2549	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.20	10.22
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2550	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.53	12.53
		For Work In Restricted Working Space, Add	*9.40*	
		For Installation Above 14', Add	*4.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.40*	
26 05 33 13-2551	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.36	14.51
		For Work In Restricted Working Space, Add	*10.88*	
		For Installation Above 14', Add	*5.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 05 33 13-2552	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	91.05	16.49
		For Work In Restricted Working Space, Add	*12.37*	
		For Installation Above 14', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-2553		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2411)*		
26 05 33 13-2554	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	96.99	18.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-2555	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	338.23	33.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.06*	
26 05 33 13-2556	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	653.11	67.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.83*	
26 05 33 13-2557		Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2411)*		
26 05 33 13-2558		Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2557)*		
26 05 33 13-2559	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	8.29	3.22
26 05 33 13-2560	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	10.09	3.75
26 05 33 13-2561	EA	1" Replacement Stamped Aluminum Conduit Body Cover	12.93	4.82
26 05 33 13-2562	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	15.75	5.89
26 05 33 13-2563	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	19.29	6.97
26 05 33 13-2564	EA	2" Replacement Stamped Aluminum Conduit Body Cover	22.83	8.04
26 05 33 13-2565	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	29.90	9.11
26 05 33 13-2566	EA	3" Replacement Stamped Aluminum Conduit Body Cover	38.94	12.86
26 05 33 13-2567	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	42.30	14.47
26 05 33 13-2568	EA	4" Replacement Stamped Aluminum Conduit Body Cover	53.29	18.22
26 05 33 13-2569		Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2557)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570	EA	1/2" Replacement Cast Steel Conduit Body Cover	9.55	3.22
26 05 33 13-2571	EA	3/4" Replacement Cast Steel Conduit Body Cover	11.19	3.75
26 05 33 13-2572	EA	1" Replacement Cast Steel Conduit Body Cover	15.64	4.82
26 05 33 13-2573	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	19.42	5.89
26 05 33 13-2574	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	23.57	6.97
26 05 33 13-2575	EA	2" Replacement Cast Steel Conduit Body Cover	27.72	8.04
26 05 33 13-2576	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	31.84	9.11
26 05 33 13-2577	EA	3" Replacement Cast Steel Conduit Body Cover	43.53	12.86
26 05 33 13-2578	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	49.53	14.47
26 05 33 13-2579	EA	4" Replacement Cast Steel Conduit Body Cover	62.43	18.22

26 05 33 13-2580 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2557)*

26 05 33 13-2581	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	7.73	3.22
26 05 33 13-2582	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	8.83	3.75
26 05 33 13-2583	EA	1" Replacement Velbuna Composition Conduit Body Gasket	11.52	4.82
26 05 33 13-2584	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	14.90	5.89
26 05 33 13-2585	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	17.04	6.97
26 05 33 13-2586	EA	2" Replacement Velbuna Composition Conduit Body Gasket	20.23	8.04
26 05 33 13-2587	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	26.33	9.11
26 05 33 13-2588	EA	3" Replacement Velbuna Composition Conduit Body Gasket	34.49	12.86
26 05 33 13-2589	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.09	14.47
26 05 33 13-2590	EA	4" Replacement Velbuna Composition Conduit Body Gasket	45.51	18.22

26 05 33 13-2591 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2557)*

26 05 33 13-2592	EA	1/2" Replacement Neoprene Conduit Body Gasket	8.60	3.22
26 05 33 13-2593	EA	3/4" Replacement Neoprene Conduit Body Gasket	9.66	3.75
26 05 33 13-2594	EA	1" Replacement Neoprene Conduit Body Gasket	12.61	4.82
26 05 33 13-2595	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	15.45	5.89
26 05 33 13-2596	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	17.59	6.97
26 05 33 13-2597	EA	2" Replacement Neoprene Conduit Body Gasket	20.28	8.04
26 05 33 13-2598	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	26.47	9.11
26 05 33 13-2599	EA	3" Replacement Neoprene Conduit Body Gasket	34.63	12.86
26 05 33 13-2600	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	39.03	14.47
26 05 33 13-2601	EA	4" Replacement Neoprene Conduit Body Gasket	46.45	18.22

26 05 33 16 Boxes For Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0125 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	28.54	13.53
		For Stud Bracket, Add	*0.36*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	29.22	13.53
		For Stud Bracket, Add	*0.65*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	31.53	13.53
		For Stud Bracket, Add	*0.71*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	21.34	9.02
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	19.00	9.02
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	9.73	4.51
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	9.83	4.51
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	9.91	4.51
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	10.16	4.51
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	10.24	4.51
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	11.04	4.51
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	10.03	4.51
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	10.11	4.51
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	10.20	4.51
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	11.02	4.51
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	11.19	4.51
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	12.23	4.51
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	10.43	4.51
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	11.09	4.51
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	10.02	4.51
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	10.08	4.51
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	10.00	4.51
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	10.18	4.51
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	10.33	4.51
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.16	4.51
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.30	4.51
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	12.16	4.51
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.30	4.51
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.73	4.51
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.16	4.51
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.16	4.51
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	9.49	4.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	31.04	13.53
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	29.51	13.53
		For Stud Bracket, Add	*0.34*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	37.17	13.53
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	21.97	9.02
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	22.35	9.02
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.25	4.51
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.27	4.51
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.92	4.51
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.66	4.51
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.60	4.51
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.30	4.51
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.77	4.51
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.91	4.51
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.92	4.51
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.88	4.51
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.08	4.51
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	15.39	4.51
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.64	4.51
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.71	4.51
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	13.50	4.51
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	14.01	4.51
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.36	4.51
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	12.81	4.51
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.64	4.51
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.00	4.51
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.00	4.51
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.00	4.51
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	9.91	4.51
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	14.23	6.77
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	10.08	4.52
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	15.86	6.77
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	16.69	6.77
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	23.76	11.27
		For Stud Bracket, Add	*0.88*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	24.36	11.27
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	9.46	4.51
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	38.74	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	40.98	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	42.90	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	44.79	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	48.21	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	51.73	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	54.62	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	10.27	4.51
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	32.11	11.27
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	35.13	12.17
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	41.49	13.53
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	52.26	14.88
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	73.55	16.23
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	41.22	11.27
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	44.83	12.17
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	57.87	13.53
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	72.63	14.88
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	113.82	16.23
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	13.75	4.51
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	13.91	4.51
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	15.66	4.51
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	18.68	4.51
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	25.29	4.51
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	12.25	4.51
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	13.89	4.51
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	16.07	4.51
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	18.85	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	25.76	4.51
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	24.90	11.27
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	25.15	11.27
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	26.47	11.27
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	29.42	11.27
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	29.68	11.27
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	33.68	11.27
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	23.70	11.27
		For Stud Bracket, Add	*1.42*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	23.97	11.27
		For Stud Bracket, Add	*0.61*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	24.58	11.27
		For Stud Bracket, Add	*0.83*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	15.18	6.76
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	14.91	6.76
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	5.11	2.25
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.16	2.25
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.90	2.25
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.92	2.25
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.44	2.25
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.92	2.25
26 05 33 16-0122		**3"-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	34.76	15.78
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	38.20	16.68
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	43.00	18.04
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	48.48	19.84
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)* Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0254 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	74.40	27.06
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	80.77	31.56
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	95.40	38.33
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	93.57	36.07
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	118.77	42.84
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	93.22	36.07
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	111.96	42.84
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	95.41	36.07
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	111.99	42.84
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	93.22	36.07
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	109.29	42.84
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	111.62	45.09
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	132.28	54.11
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	115.82	45.09
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	148.30	54.11
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	118.56	45.09
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	141.71	54.11
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	111.26	45.09
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	143.57	54.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	140.95	54.11
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	170.08	65.38
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	77.49	27.06
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	89.35	31.56
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	105.31	38.33
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	99.22	36.07
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	114.87	42.84
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	138.15	51.86
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	122.58	42.84
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	157.43	54.11
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	88.64	29.31
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	98.57	33.82
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	114.86	40.58
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	108.16	38.33
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	123.28	45.09
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	97.93	29.31
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	107.31	33.82
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	122.14	38.33
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	138.05	45.09
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0254 for box covers.		
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	65.38	22.55
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	75.21	27.06
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	84.60	33.82
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	61.77	22.55
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	77.75	27.06
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	83.77	31.56
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	100.75	38.33
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	126.21	47.35
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	90.04	31.56
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	97.70	38.33
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	86.47	31.56
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	99.83	38.33
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.17	31.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	99.83	38.33
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	78.85	31.56
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	105.48	38.33
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	100.56	40.58
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	122.25	49.60
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	106.07	40.58
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	141.35	49.60
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	105.61	40.58
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	129.52	49.60
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	131.16	49.60
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	128.80	49.60
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	157.31	60.88
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	71.77	22.55
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	85.99	27.06
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	99.43	33.82
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	91.83	27.06
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	92.03	31.56
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	110.90	38.33
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	125.26	47.35
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	112.25	38.33
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	138.04	49.60
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	85.23	24.80
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	97.86	29.31
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	106.35	36.07
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	107.31	33.82
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	111.12	40.58
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	137.11	49.60
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	85.16	24.80
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	98.73	29.31
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	109.30	33.82
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	124.48	40.58
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	109.30	33.82
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	124.48	40.58
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	114.88	36.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	129.55	42.84
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	128.35	31.56
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	143.93	38.33
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	133.75	36.07
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	164.67	40.58
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	152.75	45.09
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	148.38	40.58
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	179.75	45.09
26 05 33 16-0234		**Non Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0254 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	45.68	18.94
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	52.23	22.10
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	59.66	26.83
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	58.54	25.25
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	68.81	29.98
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	83.46	36.29
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	58.75	25.25
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	68.26	29.98
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	81.58	36.29
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	74.17	31.56
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	84.61	37.88
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	99.75	45.76
26 05 33 16-0248		**Deep, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	46.29	18.94
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	45.22	18.94
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	53.68	22.10
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	60.25	26.83
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	59.74	25.25
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	67.25	29.98
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	80.41	36.29
26 05 33 16-0256		**Shallow, Two Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	49.15	20.51
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	56.32	23.67
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	62.92	28.41
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	60.38	26.83
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	74.56	31.56
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	88.26	37.88
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	61.79	26.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	78.48	31.56
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	85.12	37.88
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	75.57	33.14
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	99.18	39.45
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	102.80	47.35
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		
26 05 33 16-0271	EA	Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	394.17	33.82
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	251.81	
26 05 33 16-0273	EA	Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	35.14	9.02
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	42.26	4.51
26 05 33 16-0275	EA	Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	445.74	36.07
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	235.82	
26 05 33 16-0277	EA	Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	60.18	13.53
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	42.26	4.51
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	123.04	9.02
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	352.80	31.56
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	29.42	4.51
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	351.18	31.56
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	40.86	4.51
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	651.89	36.07
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	651.97	36.07
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	621.31	36.07
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	621.31	36.07
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	651.89	36.07
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	651.89	36.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	595.42	36.07
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	373.21	33.82
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	400.26	33.82
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	402.94	33.82
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	114.14	18.04
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	262.79	9.02
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	262.79	9.02
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	218.43	9.02
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	31.59	2.25
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	15.45	4.51
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.86	4.51
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	15.38	4.51
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	15.43	4.51
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	15.32	4.51
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	18.11	4.51
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.91	4.51
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	18.35	4.51
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	15.09	4.51
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	15.11	4.51
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	14.90	4.51
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	14.90	4.51
26 05 33 16-0313	EA	20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	35.93	6.76
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	13.63	4.51
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	13.98	4.51
26 05 33 16-0316	EA	20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	113.13	8.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.69	4.51
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	18.44	4.51
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.97	4.51
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	29.12	9.02
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	33.35	11.27
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	36.79	11.27
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	27.96	9.02
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	18.32	4.51
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	18.32	4.51
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	19.31	4.51
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	19.97	4.51
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	855.31	36.07
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	814.04	36.07
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	806.27	36.07
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	798.91	36.07
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	482.41	33.82
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	540.54	33.82
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	136.83	18.04
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	284.20	9.02
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	284.20	9.02
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	49.24	2.25
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	15.97	4.51
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.06	4.51
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.16	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.74	4.51
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	22.71	4.51
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	22.68	4.51
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	15.49	4.51
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	15.68	4.51
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.49	4.51
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.49	4.51
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.35	4.51
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	18.63	4.51
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	21.48	4.51
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	29.12	9.02

26 05 43 Underground Ducts And Raceways For Electrical Systems *(26 05)*

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001 Duct Bank *(26 05 43)*

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(26 05 43 00-0001)*

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	18.89
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	37.81
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	38.17
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	76.53
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	56.02
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	112.88
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	170.23
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	100.25
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	199.67
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	309.55
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	142.97
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	286.90
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	425.36

26 05 43 00-0016 Polyvinyl Chloride (PVC), Type EB Duct Bank System *(26 05 43 00-0001)*

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	5.54
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.24
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	23.43
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	7.32
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.61
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.70
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.68
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.36
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.75
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	58.11
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.06
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.11
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	46.55
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	65.69
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.81
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	32.49
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	65.15
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	106.00

26 05 43 00-0035 Polyvinyl Chloride (PVC), Type DB Duct Bank System *(26 05 43 00-0001)*

Note: Includes appropriate spacers and fittings.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		6.14	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		13.51	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		25.78	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		7.56	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		15.10	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		30.12	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		9.85	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		19.70	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		39.43	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		59.12	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		12.31	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		24.62	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		47.57	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		67.22	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		22.16	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		33.22	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		66.62	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank		108.20	

26 05 43 00-0054 Male Or Female Adapters *(26 05 43 00-0001)*

26 05 43 00-0055	EA	2" Adapter		30.21	
26 05 43 00-0056	EA	3" Adapter		42.35	
26 05 43 00-0057	EA	4" Adapter		54.30	
26 05 43 00-0058	EA	5" Adapter		79.44	
26 05 43 00-0059	EA	6" Adapter		99.09	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set		718.87	232.50
		For Class 1 Pole, Add		*88.83*	
		For Class 2 Pole, Add		*50.76*	
		For Class 4 Pole, Deduct		*-25.38*	
		For Class 5 Pole, Deduct		*-76.14*	
		For Class 6 Pole, Deduct		*-101.52*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set		860.51	257.95
		For Class 1 Pole, Add		*120.60*	
		For Class 2 Pole, Add		*68.91*	
		For Class 4 Pole, Deduct		*-34.46*	
		For Class 5 Pole, Deduct		*-103.37*	
		For Class 6 Pole, Deduct		*-137.83*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set		1,115.53	341.17
		For Class 1 Pole, Add		*151.65*	
		For Class 2 Pole, Add		*86.66*	
		For Class 4 Pole, Deduct		*-43.33*	
		For Class 5 Pole, Deduct		*-129.99*	
		For Class 6 Pole, Deduct		*-173.32*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set		1,276.60	375.24
		For Class 1 Pole, Add		*184.15*	
		For Class 2 Pole, Add		*105.23*	
		For Class 4 Pole, Deduct		*-52.61*	
		For Class 5 Pole, Deduct		*-157.84*	
		For Class 6 Pole, Deduct		*-210.46*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set		1,459.07	417.93
		For Class 1 Pole, Add		*218.09*	
		For Class 2 Pole, Add		*124.62*	
		For Class 4 Pole, Deduct		*-62.31*	
		For Class 5 Pole, Deduct		*-186.94*	
		For Class 6 Pole, Deduct		*-249.25*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set		1,660.23	469.05
		For Class 1 Pole, Add		*252.76*	
		For Class 2 Pole, Add		*144.43*	
		For Class 4 Pole, Deduct		*-72.22*	
		For Class 5 Pole, Deduct		*-216.65*	
		For Class 6 Pole, Deduct		*-288.86*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set		1,857.19	515.91
		For Class 1 Pole, Add		*288.86*	
		For Class 2 Pole, Add		*165.06*	
		For Class 4 Pole, Deduct		*-82.53*	
		For Class 5 Pole, Deduct		*-247.60*	
		For Class 6 Pole, Deduct		*-330.13*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set		2,075.59	567.32
		For Class 1 Pole, Add		*329.30*	
		For Class 2 Pole, Add		*188.17*	
		For Class 4 Pole, Deduct		*-94.09*	
		For Class 5 Pole, Deduct		*-282.26*	
		For Class 6 Pole, Deduct		*-376.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	3,404.63	618.33
		For Class 1 Pole, Add	*758.77*	
		For Class 2 Pole, Add	*433.58*	
		For Class 4 Pole, Deduct	*-216.79*	
		For Class 5 Pole, Deduct	*-650.38*	
		For Class 6 Pole, Deduct	*-867.17*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	3,739.21	657.76
		For Class 1 Pole, Add	*848.28*	
		For Class 2 Pole, Add	*484.73*	
		For Class 4 Pole, Deduct	*-242.37*	
		For Class 5 Pole, Deduct	*-727.10*	
		For Class 6 Pole, Deduct	*-969.46*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	4,110.65	702.54
		For Class 1 Pole, Add	*946.94*	
		For Class 2 Pole, Add	*541.11*	
		For Class 4 Pole, Deduct	*-270.55*	
		For Class 5 Pole, Deduct	*-811.66*	
		For Class 6 Pole, Deduct	*-1,082.22*	
26 05 46 00-0014		Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	19.81	
26 05 46 00-0016		Crossarms *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		Wood Single Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	160.45	69.34
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	194.91	69.34
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	205.14	89.16
26 05 46 00-0021		Wood Double Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	416.50	193.16
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	442.57	193.16
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	461.66	193.16
26 05 46 00-0025		Fiberglass Crossarms *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		Single Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	180.68	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	229.83	41.61
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	239.74	44.57
26 05 46 00-0030		Two Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	287.14	53.50
26 05 46 00-0032		Fiberglass Crossarm Accessories *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	411.81	68.35
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	490.14	83.21
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	71.61	11.89
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	358.10	59.43
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	294.10	99.06
26 05 46 00-0038		Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	88.48	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	69.76	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	180.62	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	136.93	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	59.81	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	50.65	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	161.51	
26 05 46 00-0048		Guying *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	655.48	277.37
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	665.21	277.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	685.21	277.37
26 05 46 00-0053	EA	Guy Guard, Plastic	22.97	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	959.41	425.96
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	959.41	425.96
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	959.41	425.96
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	418.88	208.03
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	132.96	59.43
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	136.79	59.43
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	168.81	79.25
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	179.23	79.25
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	251.41	99.06
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	398.21	158.50
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	56.21	24.76
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	180.20	89.16
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	233.69	89.16
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	111.66	49.53
26 05 46 00-0075	EA	2 Spool Secondary Rack	115.02	63.20
26 05 46 00-0076	EA	3 Spool Secondary Rack	172.24	84.21
26 05 46 00-0077	EA	4 Spool Secondary Rack	193.57	84.21
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,761.49	336.80
26 05 46 00-0081	EA	1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,289.11	336.80
26 05 46 00-0082	EA	1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,866.17	569.60
26 05 46 00-0083	EA	2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,071.01	569.60
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,340.04	336.80
26 05 46 00-0086	EA	1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,217.61	336.80
26 05 46 00-0087	EA	1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,866.17	569.60
26 05 46 00-0088	EA	2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,071.01	569.60
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,692.92	391.29
26 05 46 00-0091	EA	1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,811.75	391.29
26 05 46 00-0092	EA	1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,258.99	673.61
26 05 46 00-0093	EA	2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,470.53	673.61
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	2,195.98	421.01
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	2,456.95	445.77
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	2,670.43	495.31
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	2,953.37	544.83
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	3,944.52	594.36
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	2,263.37	752.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	2,486.39	825.41
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	2,863.81	922.52
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	3,211.96	1,019.62
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	3,851.34	1,238.11
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	4,513.71	1,456.60
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	5,257.67	1,650.82
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	6,390.25	2,039.24
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	7,117.01	2,233.45
26 05 46 00-0111		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0112		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,326.44	371.48
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,236.79	396.24
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,721.14	445.77
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,409.46	495.31
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,646.48	544.83
26 05 46 00-0118		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		Round Tapered Pole *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	3,269.47	594.36
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	3,788.18	643.90
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	4,037.84	693.42
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	4,749.74	792.49
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	5,853.87	891.54
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	6,950.59	1,141.01
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	7,743.60	1,294.43
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	8,563.21	1,456.60
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	9,616.73	1,650.82
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	10,273.95	1,747.93
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	11,160.90	1,942.14
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	12,281.76	2,184.91
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	13,577.01	2,476.22
26 05 46 00-0133		12 Sided Tapered *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,499.82	594.36
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,066.84	643.90
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,714.37	693.42
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,384.02	792.49
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,778.19	891.54
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,899.04	1,141.01
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,620.36	1,294.43
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,593.68	1,456.60
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,640.89	1,650.82
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,512.43	1,747.93
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,601.97	1,942.14
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,704.78	2,184.91
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,042.19	2,476.22
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,468.97	2,767.55
26 05 46 00-0148		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	12.30	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	92.32	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	92.85	
26 05 46 00-0152		Arms With Baseplates And Endplates *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	481.03	99.06
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	519.39	99.06
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	657.57	148.59
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	691.13	148.59
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	827.81	198.12
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	866.15	198.12
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,142.66	247.65
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	1,185.70	247.65
26 05 46 00-0161		Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0118)*		
26 05 46 00-0162	EA	15,000 LB Standard Vangs Load Bearing At Any Angle	229.76	99.06
26 05 46 00-0163	EA	30,000 LB Standard Vangs Load Bearing At Any Angle	253.26	99.06
26 05 46 00-0164	EA	45,000 LB Standard Vangs Load Bearing At Any Angle	285.40	99.06
26 05 46 00-0165		Armless Construction Brackets *(26 05 46 00-0118)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	233.59	99.06
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	248.43	99.06
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	272.54	99.06
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	387.50	148.59
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	401.58	148.59
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	222.03	99.06
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	253.21	99.06
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	372.40	148.59
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	445.99	148.59
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	575.58	198.12
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	614.64	198.12
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	226.56	99.06
26 05 46 00-0181	EA	Pole Top Bracket - 5"	234.13	99.06
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	225.54	99.06
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	250.12	99.06
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	235.44	99.06
26 05 46 00-0187	EA	Static Wire Support Bracket	238.12	99.06
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	216.43	99.06
26 05 46 00-0190	EA	Equipment Mounting T Bracket	228.42	99.06
26 05 46 00-0191	EA	15 KV Cutout	283.28	
26 05 46 00-0192	EA	9/10 KV Arrestor	266.42	99.06
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	254.65	99.06
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	246.11	99.06
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	542.28	99.06
26 05 46 00-0197		**15 KV 200 Amp Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)* Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,238.14	247.65
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,665.59	594.36
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,250.70	643.90
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,919.32	693.42
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,607.06	842.01
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	10,085.62	891.54
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	11,230.59	1,141.01
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	13,006.16	1,213.83
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	14,005.10	1,456.60
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	15,076.41	1,553.71
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,973.59	1,747.93
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	18,127.92	1,845.03
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	19,257.86	2,184.91
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	20,622.40	2,330.57
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	22,079.32	2,621.89
26 05 46 00-0214		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	34.67	
26 05 46 00-0216		**Special Steel Bases For Poles** *(26 05 46 00-0118)*		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	176.96	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	193.39	49.53
26 05 46 00-0219	EA	Series 4, 40' Pole And less	229.21	56.96
26 05 46 00-0220	EA	Series 5, 50' Pole And less	260.08	61.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0221		**Primary Fuse Cutouts** *(26 05 46)* Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222		**Non-Loadbreak Current Limiting Primary Fuse Cutouts** *(26 05 46 00-0221)* Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223		**8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0222)*		
26 05 46 00-0224	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	472.60	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0225	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	571.67	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.59*	
26 05 46 00-0226	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	670.38	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.21*	
26 05 46 00-0227	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	677.85	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.31*	
26 05 46 00-0228	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	677.85	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.31*	
26 05 46 00-0229		**17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0222)*		
26 05 46 00-0230	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	472.60	198.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0231		**17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting** *(26 05 46 00-0222)*		
26 05 46 00-0232	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	482.23	198.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0233		**Fuseholders** *(26 05 46 00-0222)* Note: Including current limiting fuse.		
26 05 46 00-0234	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	432.01	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0235	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	531.08	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.59*	
26 05 46 00-0236	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	629.79	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.21*	
26 05 46 00-0237	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	435.34	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0238	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	534.41	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.59*	
26 05 46 00-0239	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	432.01	198.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0240		**Accessories** *(26 05 46 00-0222)*		
26 05 46 00-0241	EA	Hot Line Clamp	59.47	22.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 46 00-0242	EA	Stirrup	62.52	22.29
26 05 46 00-0243		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 05 46 00-0221)* Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0243)*		
26 05 46 00-0245	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	547.58	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0246	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	646.65	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.59*	
26 05 46 00-0247	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	745.36	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.21*	
26 05 46 00-0248	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	759.82	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.31*	
26 05 46 00-0249	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	759.82	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.31*	
26 05 46 00-0250		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0243)*		
26 05 46 00-0251	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	547.58	198.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0252		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0243)*		
26 05 46 00-0253	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	547.58	198.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0254		**Fuseholders** *(26 05 46 00-0243)* Note: Includes current limiting fuses.		
26 05 46 00-0255	EA	15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	435.45	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0256	EA	25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	534.52	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0257	EA	40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	633.23	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.21*	
26 05 46 00-0258	EA	15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	435.45	247.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.87*	
26 05 46 00-0259		**Pole Mounted Capacitors** *(26 05 46 00-0243)*		
26 05 46 00-0260	EA	Capacitors - Pole Mounted 6 KVAR	826.80	199.71
26 05 46 00-0261		**Pole Structure Assemblies** *(26 05 46 00-0221)*		
26 05 46 00-0262		**5 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	388.94	188.21
26 05 46 00-0264	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	651.95	316.99
26 05 46 00-0265	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	633.39	247.65
26 05 46 00-0266	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	344.50	128.78
26 05 46 00-0267	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	454.22	178.31
26 05 46 00-0268	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	839.65	356.62
26 05 46 00-0269	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	644.98	267.46
26 05 46 00-0270	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,232.12	534.93
26 05 46 00-0271	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,391.89	604.26
26 05 46 00-0272	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	732.44	297.18
26 05 46 00-0273	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	682.22	316.99
26 05 46 00-0274	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,330.21	643.90
26 05 46 00-0275	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	913.92	386.34
26 05 46 00-0276	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	604.00	277.37
26 05 46 00-0277	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,184.49	564.64
26 05 46 00-0278	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	832.26	287.27
26 05 46 00-0279		**15 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	398.57	188.21
26 05 46 00-0281	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	665.71	316.99
26 05 46 00-0282	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	680.16	247.65
26 05 46 00-0283	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	361.01	128.78
26 05 46 00-0284	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	477.61	168.40
26 05 46 00-0285	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	886.42	356.62
26 05 46 00-0286	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	679.38	267.46
26 05 46 00-0287	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,302.28	534.93
26 05 46 00-0288	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,486.82	604.26
26 05 46 00-0289	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	779.21	297.18
26 05 46 00-0290	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	700.10	316.99
26 05 46 00-0291	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,348.09	643.90
26 05 46 00-0292	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	949.69	386.34
26 05 46 00-0293	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	621.88	267.46
26 05 46 00-0294	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,202.37	564.64
26 05 46 00-0295	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	868.03	346.72
26 05 46 00-0296		**25 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	942.94	297.18
26 05 46 00-0298	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	545.57	148.59
26 05 46 00-0299	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	797.82	227.84
26 05 46 00-0300	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,212.30	465.58
26 05 46 00-0301	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,057.39	346.72
26 05 46 00-0302	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,839.11	683.52
26 05 46 00-0303	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,866.59	772.68
26 05 46 00-0304	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,234.31	450.72
26 05 46 00-0305	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,104.91	450.72
26 05 46 00-0306		**50 KV Pole Structure Assemblies** *(26 05 46 00-0261)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,267.52	406.15
26 05 46 00-0308	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	673.86	208.03
26 05 46 00-0309	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	925.93	326.90
26 05 46 00-0310	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,780.33	663.71
26 05 46 00-0311	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,353.81	495.31
26 05 46 00-0312	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,640.21	990.60
26 05 46 00-0313	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,051.59	1,099.57
26 05 46 00-0314	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,529.29	534.93
26 05 46 00-0315	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,622.10	619.12
26 05 46 00-0316	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,549.26	584.45
26 05 46 00-0317		**Overhead To Underground Conversion Structures** *(26 05 46 00-0221)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0318		5 KV Structures *(26 05 46 00-0317)* Note: Excludes pole.		
26 05 46 00-0319	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,553.84	1,981.20
26 05 46 00-0320	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,553.84	1,981.20
26 05 46 00-0321	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,553.84	1,981.20
26 05 46 00-0322	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,553.84	1,981.20
26 05 46 00-0323		15 KV Structures *(26 05 46 00-0317)* Note: Excludes pole.		
26 05 46 00-0324	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,618.57	1,981.20
26 05 46 00-0325	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,618.57	1,981.20
26 05 46 00-0326	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,618.57	1,981.20
26 05 46 00-0327	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,618.57	1,981.20
26 05 46 00-0328		25 KV Structures *(26 05 46 00-0317)* Note: Excludes pole.		
26 05 46 00-0329	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,689.19	1,981.20
26 05 46 00-0330	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,689.19	1,981.20
26 05 46 00-0331	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,689.19	1,981.20
26 05 46 00-0332	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,689.19	1,981.20
26 05 46 00-0333		Transformer Stations *(26 05 46 00-0221)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334		5 KV Station *(26 05 46 00-0333)*		
26 05 46 00-0335	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,833.40	2,640.95
26 05 46 00-0336	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,428.74	2,971.82
26 05 46 00-0337	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,024.09	3,301.68
26 05 46 00-0338	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	6,024.09	3,301.68
26 05 46 00-0339	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,833.40	2,640.95
26 05 46 00-0340		15 KV Stations *(26 05 46 00-0333)*		
26 05 46 00-0341	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,898.14	2,640.20
26 05 46 00-0342	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,493.48	2,971.82
26 05 46 00-0343	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,088.82	3,301.68
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	6,088.82	3,301.68
26 05 46 00-0345	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	4,898.14	2,640.95
26 05 46 00-0346		25 KV Stations *(26 05 46 00-0333)*		
26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,968.76	2,640.95
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,564.10	2,971.82
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,159.44	3,301.68
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	6,159.44	3,301.68
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	4,968.76	2,640.95

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		Conduit Markers Pressure-Sensitive *(26 05 53)* Note: Stick-on, includes arrow tape.	
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	9.86
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.31
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	11.21
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	11.39
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	11.57
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	11.84
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.74
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	14.10
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.37
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	14.64
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.20
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	15.81
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	16.34
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	16.88
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	18.42
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	19.41
26 05 53 00-0018		Labeling Electrical Wires *(26 05 53)*	
26 05 53 00-0019	EA	Labeling Wire	1.93

26 05 83 Wiring Connections *(26 05)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	11.96	4.06
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	13.09	4.51
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	14.16	4.96
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	16.36	5.41
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	17.61	5.86
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	19.53	6.31
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	20.92	6.76
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	22.79	7.21
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	25.22	8.12
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	26.46	8.57
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	29.41	9.02
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	31.99	9.47
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	35.74	10.37
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	41.44	11.72
26 05 83 00-0016		**One Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	15.56	11.72
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	15.68	11.72
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	17.73	12.63
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	21.96	13.98
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	30.84	18.04
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	36.10	18.04
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	41.55	18.04
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	51.15	27.06
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	59.94	27.06
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	70.13	27.06
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	84.55	36.07
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	100.27	54.11
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	114.71	54.11
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	123.28	54.11
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	134.28	63.13
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	146.81	63.13
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	159.54	72.15
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts	187.63	81.17
26 05 83 00-0035		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	31.78	15.33
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	34.13	16.32
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	35.97	16.32
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	41.40	18.76
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	50.99	23.45
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	59.78	27.87
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	69.95	32.65
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	84.35	39.59
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	100.03	46.99
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	114.43	53.66
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	122.99	57.81
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	133.94	62.59
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	146.42	68.36
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	160.03	74.13
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	198.13	90.19
26 05 83 00-0051		**Tape Wrapped Split Bolt Connectors** *(26 05 83)*		
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	47.45	36.07
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	52.18	38.78
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	59.49	40.58
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	69.08	45.09
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	81.57	49.60
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	91.51	54.11
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	114.40	58.62
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	122.73	63.13
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	129.36	67.64
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	147.67	74.40
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	165.98	108.22
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	181.82	90.19
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	197.67	121.75
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	219.46	126.26
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	248.69	135.28
26 05 83 00-0067		**Cable Termination Lugs Handwrapped, No Stress Cone** *(26 05 83)*		
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	64.77	36.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	75.02	36.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	103.65	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.06*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	124.04	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.69*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	149.00	67.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.99*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	206.24	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 05 83 00-0074		**Terminal Blocks** *(26 05 83)*		
		Note: Labor excludes wire termination.		
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	794.80	333.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.41*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	205.42	45.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.36*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	226.82	45.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.65*	
26 05 83 00-0078		**Parallel Gutter Tap Or Motor Connection** *(26 05 83)*		
26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	31.78	16.32
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	34.13	16.32
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	35.97	16.32
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	41.40	18.76
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	50.99	23.45
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	59.78	27.87
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	69.95	32.65
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	84.35	39.59
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	100.03	46.99
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	114.43	53.66
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	122.99	57.81
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	133.94	62.59
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	146.42	68.36
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	146.77	68.36
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	31.78	16.32
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	34.13	16.32
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	35.97	16.32
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	41.40	18.76
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	50.99	23.45
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	59.78	27.87
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	69.95	32.65
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	84.35	39.59
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	100.03	46.99
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	114.43	53.66
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	122.99	57.81
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	133.94	62.59
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	146.42	68.36
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	146.77	68.36
26 05 83 00-0107		**Copper Mechanical Lugs** *(26 05 83)*		
26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	24.64	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	29.62	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	34.25	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	44.50	20.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	59.89	27.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	70.87	31.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.86*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	82.45	36.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	93.47	40.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.27*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	106.25	45.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	118.80	49.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.77*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	131.30	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	143.71	58.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.15*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	156.33	63.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	177.42	71.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.15*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	200.70	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0123		**Gel Connectors** *(26 05 83)*		
26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit. Note: Kit contains connector, gel filled cap and cap clamp.	37.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit.	36.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 83 00-0126		**Other Connections** *(26 05 83)*		
26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.97	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	9.04	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	9.11	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 83 00-0130		**Motor/Equipment Connections And Terminations** *(26 05 83)* Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
26 05 83 00-0131		**AC Single Phase, 230 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	50.79	22.55
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	50.60	22.55
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.85	27.06
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.80	33.82
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.19	33.82
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.26	33.82
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.53	33.82
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.23	45.09
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	99.65	45.09
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.36	56.37
26 05 83 00-0142		**AC Three Phase, 230 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	50.60	22.55
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.85	27.06
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.80	33.82
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.19	33.82
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.26	33.82
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.53	33.82
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.23	45.09
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	99.65	45.09
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.36	56.37
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.28	56.37
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.37	67.64
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	160.28	67.64
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	216.74	90.19
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	271.40	112.73
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	322.09	135.28
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	380.41	157.82
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	436.30	180.37
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	542.99	225.46
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	643.12	268.30
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	757.28	312.94
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,100.75	469.33
26 05 83 00-0164		**AC Three Phase, 460 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	50.60	22.55
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.85	27.06
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	73.80	33.82
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.19	33.82
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.26	33.82
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.53	33.82
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.23	45.09
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	99.65	45.09
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.36	56.37
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.28	56.37
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.37	67.64
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	160.28	67.64
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	216.74	90.19
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	271.67	112.91
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	322.09	135.28
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	380.41	157.82
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	436.30	180.37
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	542.99	225.46
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	643.38	268.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	757.62	313.12
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,101.53	469.69
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	50.79	22.55
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	246.24	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001		Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		
26 09 23 00-0002		Electrically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0003		NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0004		2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0005	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	310.47	72.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.29*	
26 09 23 00-0006	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	379.64	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0007	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	697.64	126.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.76*	
26 09 23 00-0008	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,073.61	171.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.81*	
26 09 23 00-0009	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,169.77	225.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.28*	
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	350.45	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0012	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	416.85	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0013	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	759.27	144.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.58*	
26 09 23 00-0014	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,161.73	189.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.63*	
26 09 23 00-0015	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,332.19	248.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.81*	
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	409.91	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0018	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	487.39	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0019	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	912.23	162.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.40*	
26 09 23 00-0020	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,379.96	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.46*	
26 09 23 00-0021	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,953.87	270.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.33*	
26 09 23 00-0022		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0023		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	487.11	72.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.29*	
26 09 23 00-0025	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	613.84	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0026	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,164.67	126.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.76*	
26 09 23 00-0027	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,736.95	171.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.81*	
26 09 23 00-0028	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,301.97	225.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.28*	
26 09 23 00-0029		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0030	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	508.64	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0031	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	651.05	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0032	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,227.67	144.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.58*	
26 09 23 00-0033	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,824.61	189.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.63*	
26 09 23 00-0034	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,463.93	248.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.81*	
26 09 23 00-0035		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0036	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	551.13	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0037	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	721.59	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0038	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,562.78	162.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.40*	
26 09 23 00-0039	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,225.00	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.46*	
26 09 23 00-0040	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,587.79	270.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.33*	
26 09 23 00-0041		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0042		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0043		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0044	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	439.21	72.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.29*	
26 09 23 00-0045	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	499.25	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0046	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	930.47	126.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.76*	
26 09 23 00-0047	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,294.11	171.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.81*	
26 09 23 00-0048	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,885.61	225.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.28*	
26 09 23 00-0049		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0050	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	471.71	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0051	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	537.38	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0052	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	993.47	144.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.58*	
26 09 23 00-0053	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,382.69	189.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.63*	
26 09 23 00-0054	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,242.05	248.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.81*	
26 09 23 00-0055		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0056	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	510.71	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0057	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	574.59	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0058	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,158.75	162.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.40*	
26 09 23 00-0059	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,614.16	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.46*	
26 09 23 00-0060	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,897.97	270.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.33*	
26 09 23 00-0061		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0062		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0063	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	638.31	72.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.29*	
26 09 23 00-0064	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	733.45	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0065	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,398.87	126.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.76*	
26 09 23 00-0066	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,957.45	171.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.81*	
26 09 23 00-0067	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,016.89	225.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.28*	
26 09 23 00-0068		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0069	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	677.30	81.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 09 23 00-0070	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	771.58	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0071	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,461.87	144.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.58*	
26 09 23 00-0072	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,046.49	189.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.63*	
26 09 23 00-0073	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,374.25	248.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.81*	
26 09 23 00-0074		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0075	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	718.79	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0076	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	808.79	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0077	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,809.31	162.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.40*	
26 09 23 00-0078	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,459.20	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.46*	
26 09 23 00-0079	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,498.57	270.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.33*	
26 09 23 00-0080		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0081		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0082		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0083		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0082)*		
26 09 23 00-0084	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	825.00	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0085	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,295.34	158.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.24*	
26 09 23 00-0086	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,064.28	208.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.00*	
26 09 23 00-0087	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,707.32	272.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.68*	
26 09 23 00-0088		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0089		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0088)*		
26 09 23 00-0090	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,448.85	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0091	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,256.79	158.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.24*	
26 09 23 00-0092	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,742.03	208.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.00*	
26 09 23 00-0093	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,853.47	272.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.68*	
26 09 23 00-0094		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0095		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0096		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0095)*		
26 09 23 00-0097	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	896.22	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0098	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,541.87	158.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.24*	
26 09 23 00-0099	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,297.80	208.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0100	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,370.88	272.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.68*	
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0101)*		
26 09 23 00-0103	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,520.75	99.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.52*	
26 09 23 00-0104	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,504.69	158.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.24*	
26 09 23 00-0105	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,976.23	208.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.00*	
26 09 23 00-0106	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	6,517.04	272.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.68*	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0108	EA	Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket	103.75	23.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.09*	
26 09 23 00-0109	EA	Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket	113.16	23.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.09*	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	951.66	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	1,213.62	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	1,480.24	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.11*	
26 09 23 00-0114		Light Control Panels *(26 09 23)*		
26 09 23 00-0115		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0114)*		
26 09 23 00-0116		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0115)*		
26 09 23 00-0117	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,387.01	126.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.87*	
26 09 23 00-0118	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,301.91	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0119	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,463.08	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0120	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,184.31	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0121	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	2,373.53	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0122	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,542.01	126.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.87*	
26 09 23 00-0123	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,654.59	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0124	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,843.62	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0125	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	2,259.93	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0126	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,449.13	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0127		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0115)*		
26 09 23 00-0128	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	135.01	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 09 23 00-0129	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	103.95	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0130	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	55.33	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0131		Lighting Control Panels (Synergy) *(26 09 23 00-0114)*		
26 09 23 00-0132		Lighting Control Panels (Synergy) *(26 09 23 00-0131)*		
26 09 23 00-0133	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,505.58	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0134		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0131)*		
26 09 23 00-0135	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	362.82	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 09 23 00-0136	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	140.70	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0137	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	84.81	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 09 23 00-0138		Lighting Switching Panels (Lutron) *(26 09 23 00-0114)*		
26 09 23 00-0139		Lighting Switching Panels (Lutron) *(26 09 23 00-0138)*		
26 09 23 00-0140	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	1,240.47	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0141	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	1,675.76	144.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.71*	
26 09 23 00-0142	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	2,172.75	153.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.13*	
26 09 23 00-0143		Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) *(26 09 23 00-0114)*		
26 09 23 00-0144	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	851.48	126.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.87*	
26 09 23 00-0145	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	960.31	126.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.87*	
26 09 23 00-0146	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,069.14	126.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.87*	
26 09 23 00-0147		Power Filters *(26 09 23 00-0114)*		
26 09 23 00-0148	EA	600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	29,678.55	751.51
26 09 23 00-0149	EA	200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	17,558.79	326.74
26 09 23 00-0150		Signal Filters *(26 09 23 00-0114)*		
26 09 23 00-0151	EA	0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	13,575.80	683.24
26 09 23 00-0152	EA	0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	9,287.69	417.56
26 09 23 00-0153	EA	0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	5,180.78	242.42
26 09 23 00-0154	EA	5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	7,059.15	242.42
26 09 23 00-0155		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0156		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0157		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0158	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	270.49	13.55
26 09 23 00-0159	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	349.82	13.55
26 09 23 00-0160	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	439.07	13.55
26 09 23 00-0161		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0162	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	270.49	13.55
26 09 23 00-0163	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	320.08	13.55
26 09 23 00-0164	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	439.07	13.55
26 09 23 00-0165	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	270.49	13.55
26 09 23 00-0166	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	349.82	13.55
26 09 23 00-0167	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	439.07	13.55
26 09 23 00-0168		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0169	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	349.82	13.55
26 09 23 00-0170	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	439.07	13.55
26 09 23 00-0171	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	439.07	13.55
26 09 23 00-0172		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0173	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	270.49	13.55
26 09 23 00-0174	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	349.82	13.55
26 09 23 00-0175	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	320.08	13.55
26 09 23 00-0176	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	389.49	13.55
26 09 23 00-0177	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	349.82	13.55
26 09 23 00-0178	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	419.24	13.55
26 09 23 00-0179	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	349.82	13.55
26 09 23 00-0180		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0181	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	270.49	13.55
26 09 23 00-0182	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	349.82	13.55
26 09 23 00-0183	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	349.82	13.55
26 09 23 00-0184	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	439.07	13.55
26 09 23 00-0185	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	349.82	13.55
26 09 23 00-0186	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	439.07	13.55
26 09 23 00-0187		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0188	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	270.49	13.55
26 09 23 00-0189	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	349.82	13.55
26 09 23 00-0190	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	439.07	13.55
26 09 23 00-0191		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0192	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	62.25	13.55
26 09 23 00-0193		Wall Box Transmitters For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0194	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	250.66	13.55
26 09 23 00-0195	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	270.49	13.55
26 09 23 00-0196	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	270.49	13.55
26 09 23 00-0197	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	270.49	13.55
26 09 23 00-0198	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	270.49	13.55
26 09 23 00-0199	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	270.49	13.55
26 09 23 00-0200		Interfaces For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0201	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	250.66	13.55
26 09 23 00-0202	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	250.66	13.55
26 09 23 00-0203	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	250.66	13.55
26 09 23 00-0204	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	502.54	13.55
26 09 23 00-0205	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	716.74	13.55
26 09 23 00-0206	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	716.74	13.55
26 09 23 00-0207		Fluorescent Controllers For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0208	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	320.08	13.55
26 09 23 00-0209	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	359.74	13.55
26 09 23 00-0210	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	419.24	13.55
26 09 23 00-0211		AC Motor Group Controllers For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0212	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	468.82	13.55
26 09 23 00-0213	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	642.36	13.55
26 09 23 00-0214		Occupancy Sensors (Watt Stopper) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0215		Occupancy Sensors *(26 09 23 00-0214)* Note: Exclude boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0216		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0217		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0218	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	97.68	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0219	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	115.31	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0220		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0221	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	80.63	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0222	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	75.29	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0223	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	85.27	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0224	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	98.75	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0225	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	97.64	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0226		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0227	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	142.16	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0228	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	153.32	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0229		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0216)*		
26 09 23 00-0230	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.58	2.26
26 09 23 00-0231	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.47	2.26
26 09 23 00-0232	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.47	2.26
26 09 23 00-0233		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0234		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0233)*		
26 09 23 00-0235		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0236	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	128.91	20.32
26 09 23 00-0237	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	148.09	20.32
26 09 23 00-0238	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	167.41	20.32
26 09 23 00-0239	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	165.66	20.32
26 09 23 00-0240		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0241	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	140.26	20.32
26 09 23 00-0242	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	159.71	20.32
26 09 23 00-0243	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	178.14	20.32
26 09 23 00-0244	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	181.25	20.32
26 09 23 00-0245	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	151.89	20.32
26 09 23 00-0246	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	171.82	20.32
26 09 23 00-0247	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	191.68	20.32
26 09 23 00-0248	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	197.40	20.32
26 09 23 00-0249		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0250	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	145.88	20.32
26 09 23 00-0251	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	169.12	20.32
26 09 23 00-0252	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	188.58	20.32
26 09 23 00-0253	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	137.32	20.32
26 09 23 00-0254	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	166.61	20.32
26 09 23 00-0255	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	176.09	20.32
26 09 23 00-0256	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	147.09	20.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0257	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	163.95	20.32
26 09 23 00-0258	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	184.78	20.32
26 09 23 00-0259		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0233)*		
26 09 23 00-0260	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	106.53	20.32
26 09 23 00-0261	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	108.79	20.32
26 09 23 00-0262	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	114.16	20.32
26 09 23 00-0263	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	128.55	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0264	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	130.29	20.32
26 09 23 00-0265	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	137.83	20.32
26 09 23 00-0266	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	149.88	20.32
26 09 23 00-0267		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0233)*		
26 09 23 00-0268	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	177.97	20.32
26 09 23 00-0269	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	203.47	20.32
26 09 23 00-0270	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	172.56	20.32
26 09 23 00-0271		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0272		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0271)*		
26 09 23 00-0273	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	218.75	20.32
26 09 23 00-0274	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	218.75	20.32
26 09 23 00-0275		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0271)*		
26 09 23 00-0276	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	203.47	20.32
26 09 23 00-0277		**Occupancy Sensor Power Packs** *(26 09 23 00-0214)*		
26 09 23 00-0278		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0277)*		
26 09 23 00-0279	EA	220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	71.79	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0280	EA	347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	65.31	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0281		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0277)*		
26 09 23 00-0282	EA	120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	59.97	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0283		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0277)*		
26 09 23 00-0284	EA	120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	79.50	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0285		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0277)*		
26 09 23 00-0286	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	72.08	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0287	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	72.14	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0288		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0277)*		
26 09 23 00-0289	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	90.85	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0290	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	92.14	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0291		**Occupancy Sensor Power Supplies** *(26 09 23 00-0277)*		
26 09 23 00-0292	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120)	195.00	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0293	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	185.77	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0294		**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0277)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0295	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	245.97	18.06
26 09 23 00-0296		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0277)*		
26 09 23 00-0297	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	78.77	18.06
26 09 23 00-0298		Occupancy Sensor Accessories *(26 09 23 00-0214)*		
26 09 23 00-0299		Protective Cages For Occupancy Sensors *(26 09 23 00-0298)*		
26 09 23 00-0300	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	45.35	6.77
26 09 23 00-0301		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0298)*		
26 09 23 00-0302	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	35.28	11.29
26 09 23 00-0303		Occupancy/Lighting Logger *(26 09 23 00-0298)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0304	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	337.04	38.39
26 09 23 00-0305		Remove And Reinstall Occupancy Sensors *(26 09 23 00-0298)*		
26 09 23 00-0306	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	60.97	
26 09 23 00-0307	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	27.10	
26 09 23 00-0308		Digital Time Light Switches *(26 09 23 00-0214)*		
26 09 23 00-0309	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	72.76	9.03
26 09 23 00-0310		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0311		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0310)* Note: Exclude boxes		
26 09 23 00-0312		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0311)*		
26 09 23 00-0313		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0312)*		
26 09 23 00-0314	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	100.56	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
26 09 23 00-0315	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	73.06	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0316	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	70.04	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0317	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	70.04	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0318	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	86.81	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0319	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	86.81	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
26 09 23 00-0320	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	104.00	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
26 09 23 00-0321	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	86.81	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
26 09 23 00-0322		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0312)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0323	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	128.06	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
26 09 23 00-0324	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	100.56	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0325	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	98.50	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0326	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	98.50	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0327	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	114.31	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 09 23 00-0328	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	114.31	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
26 09 23 00-0329	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	122.56	9.03
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
26 09 23 00-0330		**Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0312)*		
26 09 23 00-0331	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	10.02	2.26
26 09 23 00-0332	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	10.02	2.26
26 09 23 00-0333	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	18.27	2.26
26 09 23 00-0334	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	18.27	2.26
26 09 23 00-0335		**360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0311)*		
26 09 23 00-0336		**Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0335)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0337	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0338	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0339	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0340	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	130.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0341	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	130.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0342	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	108.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0343	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0344	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0345	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	135.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0346	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0347	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0348	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0349	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	130.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0350	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	130.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0351	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	108.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0352	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0353	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0354	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	135.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

26 09 23 00-0355 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0335)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0356	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0357	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0358	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0359	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0360	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0361	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	121.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0362	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	171.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0363	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	171.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0364	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	149.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0365	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0366	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0367	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
26 09 23 00-0368	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0369	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0370	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	121.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Photocell Option With Dimming Capability, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0371	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	171.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0372	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	171.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0373	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	149.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Photocell Option With Dual Zone On/Off, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

26 09 23 00-0374 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0311)*

26 09 23 00-0375 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0374)*

26 09 23 00-0376	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
26 09 23 00-0377	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
26 09 23 00-0378	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	164.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Ceiling Mount, Add	*12.50*	
26 09 23 00-0379	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0380	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	185.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

26 09 23 00-0381 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0374)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0382	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
26 09 23 00-0383	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	171.27	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0384	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	198.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell (Inhibit Mode Only) Option, Add	*7.50*	
		For Ceiling Mount, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0385		High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0311)*		
26 09 23 00-0386		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0385)*		
26 09 23 00-0387	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0388	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0389	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	123.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0390	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	108.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0391	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	108.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0392	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	108.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0393	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	135.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0394	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	135.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0395	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	135.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0396	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0397	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0398	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0399	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0400	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0401	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	117.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0402	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0403	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0404	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0405	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	163.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0406	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	163.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0407	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	163.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Photocell Option, Add	*12.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0408	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	145.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0409	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	145.15	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0410	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	124.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0411	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	124.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0412	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	124.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0413	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	124.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Photocell Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0414	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0415	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	136.90	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Low Voltage Relay Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
26 09 23 00-0416	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	163.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0417	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	163.03	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Start To High, HID Option, Add	*7.50*	
		For Occupancy Controlled Dimming Option, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0418	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	157.53	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0419	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0420	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	143.77	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

26 09 23 00-0421 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0310)*

26 09 23 00-0422	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	74.63	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0423	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	102.13	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0424	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	60.88	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0425	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	56.75	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0426	EA	20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	70.51	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0427	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	104.88	18.06
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0428	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	104.88	18.06
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	
26 09 23 00-0429	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	104.88	18.06
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.84*	

26 09 23 00-0430 Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0310)*

26 09 23 00-0431 Remove And Reinstall Occupancy Sensors *(26 09 23 00-0430)*

26 09 23 00-0432	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	27.10	
26 09 23 00-0433	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	60.97	

26 09 23 00-0434 Daylighting Control (Sensor Switch) *(26 09 23 00-0310)*

26 09 23 00-0435	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0436	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0437	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0438	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For 480 Volt AC Option, Add	*8.75*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0439	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For 480 Volt AC Option, Add	*8.75*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0440	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For 480 Volt AC Option, Add	*8.75*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0441	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0442	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0443	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0444	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0445	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0446	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	109.40	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0447	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0448	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0449	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
26 09 23 00-0450	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0451	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 09 23 00-0452	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	150.65	20.32
		For Low Temp/High Humidity Option, Add	*6.25*	
		For Dual Zone Option, Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	

26 09 23 00-0453 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0454 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0453)*

Note: Excludes boxes.

26 09 23 00-0455 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0454)*

26 09 23 00-0456 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0455)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0457	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	179.45	9.03

26 09 23 00-0458 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0454)*

26 09 23 00-0459 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0458)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0460	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	218.00	20.32
26 09 23 00-0461	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	218.00	20.32
26 09 23 00-0462	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	218.00	20.32

26 09 23 00-0463 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0458)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0464	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	253.47	20.32
26 09 23 00-0465	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	253.47	20.32
26 09 23 00-0466	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	262.33	20.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0467		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0454)*		
26 09 23 00-0468		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0467)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0469	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	253.47	20.32
26 09 23 00-0470		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0454)*		
26 09 23 00-0471		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0470)*		
26 09 23 00-0472	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	218.00	20.32
26 09 23 00-0473		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0453)*		
26 09 23 00-0474	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	80.47	18.06
26 09 23 00-0475	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	98.22	18.06
26 09 23 00-0476	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	128.35	18.06
26 09 23 00-0477	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	128.35	18.06
26 09 23 00-0478		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0453)*		
26 09 23 00-0479	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	262.33	20.32
26 09 23 00-0480	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	351.03	20.32
26 09 23 00-0481		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0453)*		
26 09 23 00-0482	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	182.53	20.32
26 09 23 00-0483		Controls (Sensor Switch nLight®) *(26 09 23 00-0453)*		
26 09 23 00-0484	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	124.01	20.32
26 09 23 00-0485	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	173.68	20.32
26 09 23 00-0486	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	386.49	20.32
26 09 23 00-0487	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	386.49	20.32
26 09 23 00-0488	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,415.13	20.32
26 09 23 00-0489		Occupancy Sensors (Lutron) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0490		Wireless Occupancy Sensors *(26 09 23 00-0489)*		
26 09 23 00-0491	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	95.27	20.32
26 09 23 00-0492	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	96.14	20.32
26 09 23 00-0493	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	101.00	20.32
26 09 23 00-0494	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	97.23	20.32
26 09 23 00-0495	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	101.00	20.32
26 09 23 00-0496	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	95.27	20.32
26 09 23 00-0497	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	97.23	20.32
26 09 23 00-0498	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	96.14	20.32
26 09 23 00-0499	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	141.85	20.32
26 09 23 00-0500	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	150.56	20.32
26 09 23 00-0501	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	170.15	20.32
26 09 23 00-0502	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	178.86	20.32
26 09 23 00-0503	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	183.21	20.32
26 09 23 00-0504	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	191.92	20.32
26 09 23 00-0505	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	114.43	20.32
26 09 23 00-0506	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	120.09	20.32
26 09 23 00-0507	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	138.59	20.32
26 09 23 00-0508	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	152.74	20.32
26 09 23 00-0509	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	163.62	20.32
26 09 23 00-0510	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	142.94	20.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0511		**Nodes And Modules** *(26 09 23 00-0489)*		
26 09 23 00-0512	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	147.29	20.32
26 09 23 00-0513	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	147.29	20.32
26 09 23 00-0514	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	183.21	20.32
26 09 23 00-0515	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	183.21	20.32
26 09 23 00-0516	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	232.34	22.58
26 09 23 00-0517	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	232.34	22.58
26 09 23 00-0518	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	279.14	22.58
26 09 23 00-0519	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	285.67	22.58
26 09 23 00-0520	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	349.88	22.58
26 09 23 00-0521	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	370.56	22.58
26 09 23 00-0522	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	391.24	22.58
26 09 23 00-0523	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,043.59	36.13
26 09 23 00-0524	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,028.13	40.65
26 09 23 00-0525	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,499.70	45.16
26 09 23 00-0526		**Other Accessories** *(26 09 23 00-0489)*		
26 09 23 00-0527	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	28.11	
26 09 23 00-0528	EA	Pico® Wireless Control (Lutron® PJ)	28.89	
26 09 23 00-0529	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	79.78	
26 09 23 00-0530	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	154.88	
26 09 23 00-0531	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	176.93	20.32
26 09 23 00-0532	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	221.04	20.32
26 09 23 00-0533	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	221.04	20.32
26 09 23 00-0534	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	356.41	22.58
26 09 23 00-0535	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	483.74	22.58
26 09 23 00-0536	EA	Control Interface (Lutron® QSE-CI-NWK-E)	578.27	20.32
26 09 23 00-0537	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	573.93	20.32
26 09 23 00-0538	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	764.39	20.32
26 09 23 00-0539	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,589.08	631.29
26 09 23 00-0540	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,024.41	631.29
26 09 23 00-0541		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0542	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	91.79	20.32
26 09 23 00-0543	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	81.78	20.32
26 09 23 00-0544	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	100.06	20.32
26 09 23 00-0545	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	81.78	20.32
26 09 23 00-0546		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0547		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0546)*		
26 09 23 00-0548		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0547)*		
		Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0549	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	184.50	
26 09 23 00-0550	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	255.44	
26 09 23 00-0551		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0547)*		
26 09 23 00-0552	EA	Retrofit Receptacle Kit (Roam® DUR103)	37.31	
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0553	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,193.57	49.76
26 09 23 00-0554		**Consoles** *(26 09 23)*		
26 09 23 00-0555	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	415.00	112.73
26 09 23 00-0556		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0557		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0556)*		
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0558	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	168.02	22.58
26 09 23 00-0559	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	168.02	22.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0560		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0556)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0561	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	223.45	31.61
26 09 23 00-0562	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	301.07	36.13
26 09 23 00-0563	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	401.72	40.65
26 09 23 00-0564		Photocells *(26 09 23)*		
26 09 23 00-0565	EA	Plug-In Photocell For Lighting Fixtures	63.07	
26 09 23 00-0566	EA	Wired Photocell For Lighting Fixtures	155.67	

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	33,908.00	1,560.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*952.25*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	41,616.66	1,973.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,190.31*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	46,995.08	1,973.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,190.31*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	53,944.55	1,973.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,269.66*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	61,223.97	2,432.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,464.99*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	998.36	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.64*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	349.05	119.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.12*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	507.28	119.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.14*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	402.11	119.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.12*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	1,504.59	403.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.94*	
26 11 13 00-0014		"Switchyard", Substation Transformer Section *(26 11 13)* Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015		14.4 KV Nominal Primary *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	19,915.17	1,560.30
		For 50 Hz Operation, Add	*2,008.92*	
		For Forced Air Cooling, Add	*2,008.92*	
		For External Control Panel, Add	*502.23*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*167.41*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*837.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,092.63*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,511.15*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	22,867.59	1,954.97
		For 50 Hz Operation, Add	*2,267.99*	
		For Forced Air Cooling, Add	*2,267.99*	
		For External Control Panel, Add	*567.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*189.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*945.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,362.49*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,834.99*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	35,052.10	2,753.48
		For 50 Hz Operation, Add	*3,529.10*	
		For Forced Air Cooling, Add	*3,529.10*	
		For External Control Panel, Add	*882.28*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*294.09*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,470.46*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,676.15*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,411.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	50,487.38	3,301.63
		For 50 Hz Operation, Add	*5,203.95*	
		For Forced Air Cooling, Add	*5,203.95*	
		For External Control Panel, Add	*1,300.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*433.66*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,168.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,420.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,504.93*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	62,236.95	4,272.71
		For 50 Hz Operation, Add	*6,400.26*	
		For Forced Air Cooling, Add	*6,400.26*	
		For External Control Panel, Add	*1,600.06*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*533.35*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,666.77*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,666.94*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,000.32*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	22,383.23	2,111.00
		For 50 Hz Operation, Add	*2,209.86*	
		For External Control Panel, Add	*552.47*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*184.16*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*920.78*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,301.94*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,762.33*	
		For Forced Air Cooling, Add	*1,473.24*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	25,629.79	2,111.00
		For 50 Hz Operation, Add	*2,500.63*	
		For External Control Panel, Add	*625.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*208.39*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,041.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,604.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,125.79*	
		For Forced Air Cooling, Add	*1,667.09*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	40,742.10	3,120.61
		For 50 Hz Operation, Add	*4,127.26*	
		For External Control Panel, Add	*1,031.81*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*343.94*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,719.69*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,299.23*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,159.07*	
		For Forced Air Cooling, Add	*2,751.50*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	54,760.01	4,272.71
		For 50 Hz Operation, Add	*5,503.03*	
		For External Control Panel, Add	*1,375.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*458.59*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,292.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,732.32*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,878.78*	
		For Forced Air Cooling, Add	*3,668.68*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	67,221.60	4,272.71
		For 50 Hz Operation, Add	*6,998.42*	
		For External Control Panel, Add	*1,749.60*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*583.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,916.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,290.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,748.02*	
		For Forced Air Cooling, Add	*4,665.61*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	28,052.88	2,524.02
		For 50 Hz Operation, Add	*2,791.41*	
		For External Control Panel, Add	*697.85*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*232.62*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,163.09*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,907.71*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,489.26*	
		For Forced Air Cooling, Add	*1,860.94*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,879.06	3,946.66
		For 50 Hz Operation, Add	*3,372.95*	
		For External Control Panel, Add	*843.24*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*281.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,405.39*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,513.49*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,216.18*	
		For Forced Air Cooling, Add	*2,248.63*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,815.61	3,946.66
		For 50 Hz Operation, Add	*4,665.63*	
		For External Control Panel, Add	*1,166.41*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*388.80*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,944.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,860.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,832.03*	
		For Forced Air Cooling, Add	*3,110.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	59,744.61	4,175.59
		For 50 Hz Operation, Add	*6,101.18*	
		For External Control Panel, Add	*1,525.29*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*508.43*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,542.16*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,355.39*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,626.47*	
		For Forced Air Cooling, Add	*4,067.45*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	102,114.13	5,340.88
		For 50 Hz Operation, Add	*10,886.43*	
		For External Control Panel, Add	*2,721.61*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*907.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,536.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,340.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,608.04*	
		For Forced Air Cooling, Add	*7,257.62*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	42,569.79	2,937.04
		For 50 Hz Operation, Add	*4,415.83*	
		For External Control Panel, Add	*1,103.96*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*367.99*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,839.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,599.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,519.79*	
		For Forced Air Cooling, Add	*2,943.89*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	48,067.45	2,937.04
		For 50 Hz Operation, Add	*5,006.30*	
		For External Control Panel, Add	*1,251.57*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*417.19*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,085.96*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,214.89*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,257.87*	
		For Forced Air Cooling, Add	*3,337.53*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,340.43	3,946.66
		For 50 Hz Operation, Add	*7,008.61*	
		For External Control Panel, Add	*1,752.15*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*584.05*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,920.25*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,300.63*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,760.76*	
		For Forced Air Cooling, Add	*4,672.40*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,574.39	5,340.88
		For 50 Hz Operation, Add	*8,421.66*	
		For External Control Panel, Add	*2,105.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*701.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,509.03*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,772.56*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,527.08*	
		For Forced Air Cooling, Add	*5,614.44*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	114,606.59	5,340.88
		For 50 Hz Operation, Add	*12,385.53*	
		For External Control Panel, Add	*3,096.38*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,032.13*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,160.64*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,901.59*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,481.91*	
		For Forced Air Cooling, Add	*8,257.02*	
26 11 13 00-0039		**69 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,720.26	3,120.61
		For 50 Hz Operation, Add	*6,524.64*	
		For External Control Panel, Add	*1,631.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*543.72*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,718.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,796.50*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,155.79*	
		For Forced Air Cooling, Add	*4,349.76*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	69,923.00	3,946.66
		For 50 Hz Operation, Add	*7,438.51*	
		For External Control Panel, Add	*1,859.63*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*619.88*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,099.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,748.45*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,298.14*	
		For Forced Air Cooling, Add	*4,959.01*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,248.12	3,946.66
		For 50 Hz Operation, Add	*10,477.53*	
		For External Control Panel, Add	*2,619.38*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*873.13*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,365.64*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,914.09*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,096.91*	
		For Forced Air Cooling, Add	*6,985.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,751.68	5,340.88
		For 50 Hz Operation, Add	*10,842.94*	
		For External Control Panel, Add	*2,710.73*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*903.58*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,517.89*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,294.73*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,553.67*	
		For Forced Air Cooling, Add	*7,228.62*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	132,254.63	5,340.88
		For 50 Hz Operation, Add	*14,503.29*	
		For External Control Panel, Add	*3,625.82*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,208.61*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,043.04*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,107.59*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,129.11*	
		For Forced Air Cooling, Add	*9,668.86*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	35,771.12	755.53
26 11 13 00-0047	EA	1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	39,229.66	755.53
26 11 13 00-0048	EA	1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	44,711.58	938.50
26 11 13 00-0049	EA	2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	41,962.10	1,128.50
26 11 13 00-0050	EA	2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	47,186.96	1,128.50
26 11 13 00-0051	EA	2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	53,847.66	1,311.06
26 11 13 00-0052	EA	3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	55,600.25	1,497.89
26 11 13 00-0053	EA	3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	62,105.49	1,497.89
26 11 13 00-0054	EA	3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	65,163.24	1,682.15

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 00-0001 Substation Primary Incoming Section *(26 11 16)*

26 11 16 00-0002 Manual Transferring Fused Load Break Switches *(26 11 16 00-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 00-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	21,291.32	1,109.48
26 11 16 00-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	24,480.34	1,109.48

26 11 16 00-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 00-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 00-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	30,023.07	1,109.48
26 11 16 00-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	32,098.51	1,109.48

26 11 16 00-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 00-0001)*

26 11 16 00-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,127.58	
26 11 16 00-0010	EA	Key Interlock Accessories, Secondary Distribution Section	499.10	

26 11 16 00-0011 Oil Filled Substation Transformers *(26 11 16)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ *(26 11 16 00-0011)*

26 11 16 00-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,762.51	642.48
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*593.43*	
		For Control Power Transformer On Fans And Auxiliary, Add	*254.33*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*84.78*	
26 11 16 00-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	14,039.11	688.37
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*886.37*	
		For Control Power Transformer On Fans And Auxiliary, Add	*379.87*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*126.62*	
26 11 16 00-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	15,819.83	734.27
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,004.59*	
		For Control Power Transformer On Fans And Auxiliary, Add	*430.54*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*143.51*	
26 11 16 00-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	18,471.71	780.16
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,183.80*	
		For Control Power Transformer On Fans And Auxiliary, Add	*507.34*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*169.11*	
26 11 16 00-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	20,341.91	826.05
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,308.29*	
		For Control Power Transformer On Fans And Auxiliary, Add	*560.69*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*186.90*	
26 11 16 00-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,473.26	871.93
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,381.06*	
		For Control Power Transformer On Fans And Auxiliary, Add	*591.88*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*197.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	24,846.72	917.82
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,610.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*690.33*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*230.11*	
26 11 16 00-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	26,531.24	1,032.56
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,712.63*	
		For Control Power Transformer On Fans And Auxiliary, Add	*733.98*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*244.66*	
26 11 16 00-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	29,588.47	1,101.39
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,917.00*	
		For Control Power Transformer On Fans And Auxiliary, Add	*821.57*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*273.86*	
26 11 16 00-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	34,196.87	1,193.17
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,226.74*	
		For Control Power Transformer On Fans And Auxiliary, Add	*954.32*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*318.11*	
26 11 16 00-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,526.01	1,284.95
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,446.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,048.68*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*349.56*	

26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ *(26 11 16 00-0011)*

26 11 16 00-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,339.58	642.48
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*563.82*	
		For Control Power Transformer On Fans And Auxiliary, Add	*241.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*80.55*	
26 11 16 00-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	13,901.96	688.37
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*876.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*375.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*125.25*	
26 11 16 00-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	15,810.47	734.27
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,003.94*	
		For Control Power Transformer On Fans And Auxiliary, Add	*430.26*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*143.42*	
26 11 16 00-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	18,487.81	780.16
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,184.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*507.83*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*169.28*	
26 11 16 00-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,985.33	826.05
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,423.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*610.00*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*203.33*	
26 11 16 00-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	23,519.62	871.93
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,524.30*	
		For Control Power Transformer On Fans And Auxiliary, Add	*653.27*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*217.76*	
26 11 16 00-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	25,791.65	917.82
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,676.92*	
		For Control Power Transformer On Fans And Auxiliary, Add	*718.68*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*239.56*	
26 11 16 00-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	28,158.97	1,032.56
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,826.57*	
		For Control Power Transformer On Fans And Auxiliary, Add	*782.82*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*260.94*	
26 11 16 00-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	31,693.37	1,101.39
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,064.34*	
		For Control Power Transformer On Fans And Auxiliary, Add	*884.72*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*294.91*	

26 11 16 00-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 00-0011)*

26 11 16 00-0035	EA	Sudden Pressure Relay	2,569.52
26 11 16 00-0036	EA	Throats Or Flanges (HV Or LV)	5,101.36
26 11 16 00-0037	EA	Lightning Arrestors (3 - 1 Pole)	3,359.05
26 11 16 00-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	18,641.04
26 11 16 00-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	17,440.55

26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 00-0011)*

Note: For transformer liquid containment area.

26 11 16 00-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,337.29	1,013.22
26 11 16 00-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid	3,881.07	1,168.26

26 11 16 00-0049 Dry Type Substation Transformer *(26 11 16)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0050		**Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V** *(26 11 16 00-0049)* Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,771.21	734.27
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,513.44*	
26 11 16 00-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,862.99	780.16
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,522.62*	
26 11 16 00-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,337.67	917.82
		For Gas Filled Transformers, Add	*9,301.21*	
		For Single Phase Transformers, Deduct	*-387.55*	
		For Dry Type Unit, Add	*3,594.01*	
26 11 16 00-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	19,133.12	1,009.61
		For Gas Filled Transformers, Add	*10,268.34*	
		For Single Phase Transformers, Deduct	*-427.85*	
		For Dry Type Unit, Add	*3,966.98*	
26 11 16 00-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,302.04	1,193.17
		For Gas Filled Transformers, Add	*11,349.41*	
		For Single Phase Transformers, Deduct	*-472.89*	
		For Dry Type Unit, Add	*4,400.09*	
26 11 16 00-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,674.78	1,376.74
		For Gas Filled Transformers, Add	*13,152.78*	
		For Single Phase Transformers, Deduct	*-548.03*	
		For Dry Type Unit, Add	*5,098.03*	
26 11 16 00-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,697.23	1,652.09
		For Gas Filled Transformers, Add	*15,235.83*	
		For Single Phase Transformers, Deduct	*-634.83*	
		For Dry Type Unit, Add	*5,916.89*	
26 11 16 00-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	33,813.68	1,835.65
		For Gas Filled Transformers, Add	*18,085.42*	
		For Single Phase Transformers, Deduct	*-753.56*	
		For Dry Type Unit, Add	*6,998.45*	
26 11 16 00-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,406.44	1,927.44
		For Gas Filled Transformers, Add	*23,730.94*	
		For Single Phase Transformers, Deduct	*-988.79*	
		For Dry Type Unit, Add	*9,086.83*	
26 11 16 00-0060		**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V** *(26 11 16 00-0049)* Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,228.16	734.27
		For Gas Filled Transformers, Add	*8,855.78*	
		For Single Phase Transformers, Deduct	*-368.99*	
		For Dry Type Unit, Add	*3,393.97*	
26 11 16 00-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,862.99	780.16
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,522.62*	
26 11 16 00-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,337.67	917.82
		For Gas Filled Transformers, Add	*9,301.21*	
		For Single Phase Transformers, Deduct	*-387.55*	
		For Dry Type Unit, Add	*3,594.01*	
26 11 16 00-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	19,133.12	1,009.61
		For Gas Filled Transformers, Add	*10,268.34*	
		For Single Phase Transformers, Deduct	*-427.85*	
		For Dry Type Unit, Add	*3,966.98*	
26 11 16 00-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,302.04	1,193.17
		For Gas Filled Transformers, Add	*11,349.41*	
		For Single Phase Transformers, Deduct	*-472.89*	
		For Dry Type Unit, Add	*4,400.09*	
26 11 16 00-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,674.78	1,376.74
		For Gas Filled Transformers, Add	*13,152.78*	
		For Single Phase Transformers, Deduct	*-548.03*	
		For Dry Type Unit, Add	*5,098.03*	
26 11 16 00-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,697.23	1,652.09
		For Gas Filled Transformers, Add	*15,235.83*	
		For Single Phase Transformers, Deduct	*-634.83*	
		For Dry Type Unit, Add	*5,916.89*	
26 11 16 00-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	33,813.68	1,835.65
		For Gas Filled Transformers, Add	*18,085.42*	
		For Single Phase Transformers, Deduct	*-753.56*	
		For Dry Type Unit, Add	*6,998.45*	
26 11 16 00-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,406.44	1,927.44
		For Gas Filled Transformers, Add	*23,730.94*	
		For Single Phase Transformers, Deduct	*-988.79*	
		For Dry Type Unit, Add	*9,086.83*	
26 11 16 00-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	47,554.58	2,019.22
		For Gas Filled Transformers, Add	*26,109.68*	
		For Single Phase Transformers, Deduct	*-1,087.90*	
		For Dry Type Unit, Add	*9,977.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	52,944.19	2,111.00
		For Gas Filled Transformers, Add	*29,233.31*	
		For Single Phase Transformers, Deduct	*-1,218.05*	
		For Dry Type Unit, Add	*11,141.08*	
26 11 16 00-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	60,812.06	2,202.79
		For Gas Filled Transformers, Add	*33,843.90*	
		For Single Phase Transformers, Deduct	*-1,410.16*	
		For Dry Type Unit, Add	*12,849.99*	
26 11 16 00-0073		Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V *(26 11 16 00-0049)*		
26 11 16 00-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,078.55	826.05
		For Gas Filled Transformers, Add	*9,855.88*	
		For Single Phase Transformers, Deduct	*-410.66*	
		For Dry Type Unit, Add	*3,779.03*	
26 11 16 00-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,710.24	871.93
		For Gas Filled Transformers, Add	*10,179.82*	
		For Single Phase Transformers, Deduct	*-424.16*	
		For Dry Type Unit, Add	*3,906.99*	
26 11 16 00-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	20,092.09	1,009.61
		For Gas Filled Transformers, Add	*10,843.72*	
		For Single Phase Transformers, Deduct	*-451.82*	
		For Dry Type Unit, Add	*4,177.95*	
26 11 16 00-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,248.75	1,101.39
		For Gas Filled Transformers, Add	*11,427.58*	
		For Single Phase Transformers, Deduct	*-476.15*	
		For Dry Type Unit, Add	*4,410.39*	
26 11 16 00-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,258.92	1,284.95
		For Gas Filled Transformers, Add	*13,013.41*	
		For Single Phase Transformers, Deduct	*-542.23*	
		For Dry Type Unit, Add	*5,028.57*	
26 11 16 00-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,928.52	1,468.52
		For Gas Filled Transformers, Add	*14,394.89*	
		For Single Phase Transformers, Deduct	*-599.79*	
		For Dry Type Unit, Add	*5,571.83*	
26 11 16 00-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,473.61	1,743.87
		For Gas Filled Transformers, Add	*16,791.52*	
		For Single Phase Transformers, Deduct	*-699.65*	
		For Dry Type Unit, Add	*6,505.67*	
26 11 16 00-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,953.97	1,927.44
		For Gas Filled Transformers, Add	*20,459.46*	
		For Single Phase Transformers, Deduct	*-852.48*	
		For Dry Type Unit, Add	*7,887.29*	
26 11 16 00-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	45,564.45	2,019.22
		For Gas Filled Transformers, Add	*24,915.61*	
		For Single Phase Transformers, Deduct	*-1,038.15*	
		For Dry Type Unit, Add	*9,539.57*	
26 11 16 00-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V *(26 11 16 00-0049)*		
26 11 16 00-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,078.55	826.05
		For Gas Filled Transformers, Add	*9,855.88*	
		For Single Phase Transformers, Deduct	*-410.66*	
		For Dry Type Unit, Add	*3,779.03*	
26 11 16 00-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,710.24	871.93
		For Gas Filled Transformers, Add	*10,179.82*	
		For Single Phase Transformers, Deduct	*-424.16*	
		For Dry Type Unit, Add	*3,906.99*	
26 11 16 00-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	20,092.09	1,009.61
		For Gas Filled Transformers, Add	*10,843.72*	
		For Single Phase Transformers, Deduct	*-451.82*	
		For Dry Type Unit, Add	*4,177.95*	
26 11 16 00-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,248.75	1,101.39
		For Gas Filled Transformers, Add	*11,427.58*	
		For Single Phase Transformers, Deduct	*-476.15*	
		For Dry Type Unit, Add	*4,410.39*	
26 11 16 00-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,258.92	1,284.95
		For Gas Filled Transformers, Add	*13,013.41*	
		For Single Phase Transformers, Deduct	*-542.23*	
		For Dry Type Unit, Add	*5,028.57*	
26 11 16 00-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,789.50	1,468.52
		For Gas Filled Transformers, Add	*12,511.48*	
		For Single Phase Transformers, Deduct	*-521.31*	
		For Dry Type Unit, Add	*4,881.25*	
26 11 16 00-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,024.86	1,743.87
		For Gas Filled Transformers, Add	*12,922.27*	
		For Single Phase Transformers, Deduct	*-538.43*	
		For Dry Type Unit, Add	*5,086.94*	
26 11 16 00-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,565.55	1,927.44
		For Gas Filled Transformers, Add	*16,026.41*	
		For Single Phase Transformers, Deduct	*-667.77*	
		For Dry Type Unit, Add	*6,261.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	35,988.07	2,019.22
		For Gas Filled Transformers, Add	*19,169.78*	
		For Single Phase Transformers, Deduct	*-798.74*	
		For Dry Type Unit, Add	*7,432.76*	
26 11 16 00-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	40,088.13	2,111.00
		For Gas Filled Transformers, Add	*21,519.68*	
		For Single Phase Transformers, Deduct	*-896.65*	
		For Dry Type Unit, Add	*8,312.75*	
26 11 16 00-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	46,796.77	2,202.79
		For Gas Filled Transformers, Add	*25,434.73*	
		For Single Phase Transformers, Deduct	*-1,059.78*	
		For Dry Type Unit, Add	*9,766.62*	
26 11 16 00-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	56,993.21	2,294.57
		For Gas Filled Transformers, Add	*31,442.45*	
		For Single Phase Transformers, Deduct	*-1,310.10*	
		For Dry Type Unit, Add	*11,987.81*	

26 11 16 00-0096 Substation Secondary Distribution Section *(26 11 16)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker *(26 11 16 00-0096)*

Note: With solid state long - time and instantaneous trips.

26 11 16 00-0098	EA	800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	9,091.19	791.75
26 11 16 00-0099	EA	1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	14,520.16	1,197.04
26 11 16 00-0100	EA	2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	19,672.66	1,470.38
26 11 16 00-0101	EA	3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	32,288.25	1,706.02
26 11 16 00-0102	EA	4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	41,390.35	1,941.66

26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker *(26 11 16 00-0096)*

26 11 16 00-0104	EA	800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,031.39	240.36
26 11 16 00-0105	EA	1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,658.08	240.36
26 11 16 00-0106	EA	2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,092.89	353.45
26 11 16 00-0107	EA	3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,644.55	353.45
26 11 16 00-0108	EA	4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,369.74	518.40

26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 11 16 00-0096)*

Note: No provisions for future breaker.

26 11 16 00-0110	EA	600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section	2,290.26	268.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.60*	
26 11 16 00-0111	EA	3,000 Amp, Blank Section Filler, Secondary Distribution Section	2,851.72	268.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.32*	
26 11 16 00-0112	EA	4,000 Amp, Blank Section Filler, Secondary Distribution Section	3,750.33	414.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.20*	

26 11 16 00-0113 Accessories For Substation Secondary Distribution *(26 11 16 00-0096)*

26 11 16 00-0114	EA	Short Time Delay Accessories, Secondary Distribution Section	1,203.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0115	EA	Key Interlock Accessories, Secondary Distribution Section	954.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0116	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	2,851.94	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0117	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	2,851.94	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0118	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	3,746.58	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0119	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	4,829.55	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0120	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,148.24	93.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 11 16 00-0121	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	7,608.22	1,391.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*835.04*	
26 11 16 00-0122	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,335.77	82.44
26 11 16 00-0123	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,554.98	82.44
26 11 16 00-0124	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	827.97	41.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 11 16 00-0125	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	6,045.94	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 11 16 00-0126	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	790.30	41.23

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	934.53	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	1,719.79	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0004		**Single Phase Oil Filled Distribution Transformers** *(26 12 13)* Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA** *(26 12 13 00-0004)*		
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,450.03	375.72
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,768.98	469.64
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,082.90	563.57
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,659.39	704.47
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,170.00	845.36
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,107.97	986.25
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,877.73	1,174.11
26 12 13 00-0013		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA** *(26 12 13 00-0004)*		
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,450.03	375.72
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,788.17	469.64
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,082.90	563.57
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,659.39	704.47
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,170.00	845.36
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,910.79	986.25
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,777.60	1,174.11
26 12 13 00-0021		**Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,427.65	375.72
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,708.23	469.64
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,022.82	563.57
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,645.53	704.47
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,111.46	845.36
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,947.76	986.25
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,786.84	1,174.11
26 12 13 00-0029		**Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,531.57	375.72
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,815.34	469.64
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,303.43	563.57
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,895.32	704.47
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,391.48	845.36
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,361.89	986.25
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,455.39	1,174.11
26 12 13 00-0037		**Transformer Platforms** *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	3,124.94	634.49
26 12 13 00-0039		**Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,377.76	751.43
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,653.20	845.36
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,055.76	939.29
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,115.30	1,315.01
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,705.42	1,502.87
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,149.31	1,878.58
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,247.62	2,066.44
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,442.64	2,630.02
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,293.50	3,005.73
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,749.01	3,757.17
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	17,487.83	4,696.45
26 12 13 00-0051		**Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,450.03	460.06
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,768.98	575.04
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,082.51	689.34
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,660.30	863.87
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,169.13	1,034.81
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,106.79	1,205.20
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,877.73	1,437.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0059		Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,450.03	460.06
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,788.17	575.04
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,082.51	689.34
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,660.30	863.87
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,169.13	1,034.81
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,909.61	1,205.20
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,777.60	1,437.68
26 12 13 00-0067		Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*		
26 12 13 00-0068		Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,281.89	375.72
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,562.76	469.64
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,837.98	563.57
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,355.60	704.47
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,889.22	845.36
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,003.20	986.25
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,673.51	1,174.11
26 12 13 00-0076		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,231.02	375.72
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,498.81	469.64
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,808.91	563.57
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,297.47	704.47
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,809.29	845.36
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,712.54	986.25
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,382.85	1,174.11
26 12 13 00-0084		3 Phase Oil Filled Distribution Transformers *(26 12 13)*		
26 12 13 00-0085		Primary 4.16/4.8 KV Ground Y Secondary 120/240 V *(26 12 13 00-0084)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	6,693.80	2,066.44
26 12 13 00-0087	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	8,551.42	2,630.02
26 12 13 00-0088	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	10,050.50	2,817.87
26 12 13 00-0089	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	12,836.18	3,522.34
26 12 13 00-0090	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	18,179.53	4,696.45
26 12 13 00-0091	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	24,430.83	5,400.92
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	380.90	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	1,692.88	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,646.42	458.92
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,968.92	458.92
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,535.42	628.71
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,272.57	628.71
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,826.35	826.05
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,227.94	826.05
26 12 19 00-0010		Factory Modifications Material Cost Only *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	433.22	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	500.72	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,182.20	458.92
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,653.07	458.92
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,998.47	628.71
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,873.74	628.71
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,451.08	826.05
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,598.38	826.05
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,132.83	1,147.28
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	197.78	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,395.09	458.92
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,723.80	458.92
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,970.62	628.71
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,703.24	628.71
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,804.43	826.05
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,221.01	826.13
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,138.90	1,147.28
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,323.86	316.99
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,953.71	445.77
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,459.45	713.23
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,565.87	713.23
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,300.44	1,168.91
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,477.14	1,168.91
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,267.18	336.80
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,481.86	336.80
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.11	475.49
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,787.97	475.49
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,369.83	643.90
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,421.11	990.60
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,187.08	990.60
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,302.15	1,238.25
26 12 19 00-0056		**7.2 KV Primary, 240/480 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,267.18	336.80
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,481.91	336.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.11	475.49
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,787.97	475.49
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,369.83	643.90
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,576.11	871.73
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,421.11	871.73
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,187.08	1,099.57
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,302.15	1,238.25

26 12 19 00-0066 2.4 KV Primary, 277 V Secondary *(26 12 19 00-0046)*

26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,445.05	336.80
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,675.70	336.80
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,125.94	475.49
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,081.56	475.49
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,705.95	643.90
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,969.33	871.73
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,042.70	871.73
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,059.54	1,099.57
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,484.88	1,238.25

26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary *(26 12 19 00-0046)*

26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,267.18	336.80
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,481.86	336.80
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.11	646.96
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,787.97	871.73
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,369.83	643.90
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,438.76	871.73
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,419.94	871.73

26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary *(26 12 19 00-0046)*

26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,267.18	336.80
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,481.86	336.80
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.11	475.49
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,787.97	475.49
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,369.83	643.90
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,438.76	871.73
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,419.94	871.73

26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary *(26 12 19 00-0046)*

26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	1,990.57	346.72
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,169.37	386.34
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,594.68	425.96
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,362.13	594.36
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,780.58	693.42
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,054.63	812.30
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,021.79	931.17
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,104.89	1,188.73
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,209.50	1,337.32

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections *(26 13 16 00-0001)*

Note: Includes air circuit breaker.

26 13 16 00-0003	EA	1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	8,267.38	1,030.22
		For Weatherproofing, Add	*1,674.36*	
26 13 16 00-0004	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	8,646.53	1,030.22
		For Weatherproofing, Add	*1,757.77*	
26 13 16 00-0005	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,679.88	1,312.55
		For Weatherproofing, Add	*2,395.78*	
26 13 16 00-0006	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,739.56	1,312.55
		For Weatherproofing, Add	*3,266.82*	
26 13 16 00-0007	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,307.80	1,584.96
		For Weatherproofing, Add	*4,685.46*	
26 13 16 00-0008	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,490.16	1,584.96
		For Weatherproofing, Add	*4,274.36*	

26 13 16 00-0009 7.2 KV Switchgear Sections *(26 13 16 00-0001)*

Note: Includes air circuit breaker.

26 13 16 00-0010	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	12,094.69	1,188.73
		For Weatherproofing, Add	*2,501.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,905.81	1,485.91
		For Weatherproofing, Add	*3,071.04*	
26 13 16 00-0012	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,745.18	1,783.09
		For Weatherproofing, Add	*4,320.63*	
26 13 16 00-0013		**13.8 KV Switchgear Sections** *(26 13 16 00-0001)*		
		Note: Includes air circuit breaker.		
26 13 16 00-0014	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,745.03	1,188.73
		For Weatherproofing, Add	*2,411.41*	
26 13 16 00-0015	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,012.28	1,188.73
		For Weatherproofing, Add	*3,321.71*	
26 13 16 00-0016	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,131.56	1,584.96
		For Weatherproofing, Add	*4,855.47*	
26 13 16 00-0017	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,788.96	1,584.96
		For Weatherproofing, Add	*3,033.44*	
26 13 16 00-0018	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,168.88	1,981.20
		For Weatherproofing, Add	*4,408.62*	
26 13 16 00-0019	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,324.65	1,981.20
		For Weatherproofing, Add	*6,172.94*	
26 13 16 00-0020	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,456.89	1,981.20
		For Weatherproofing, Add	*4,243.69*	
26 13 16 00-0021	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,061.12	1,981.20
		For Weatherproofing, Add	*5,888.09*	
26 13 16 00-0022	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,124.70	1,981.20
		For Weatherproofing, Add	*7,635.08*	
26 13 16 00-0023		**4.16 Or 4.8 KV Switchgear Section** *(26 13 16 00-0001)*		
		Note: Excludes air circuit breaker element.		
26 13 16 00-0024	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	3,824.25	648.85
		For Weatherproofing, Add	*750.33*	
26 13 16 00-0025	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,852.14	648.85
		For Weatherproofing, Add	*976.47*	
26 13 16 00-0026	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,356.90	861.82
		For Weatherproofing, Add	*1,058.13*	
26 13 16 00-0027	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,637.90	1,064.90
		For Weatherproofing, Add	*1,311.21*	
26 13 16 00-0028	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,718.28	1,064.90
		For Weatherproofing, Add	*1,768.90*	
26 13 16 00-0029		**7.2 KV Switchgear Section** *(26 13 16 00-0001)*		
		Note: Excludes air circuit breaker element.		
26 13 16 00-0030	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,788.29	990.60
		For Weatherproofing, Add	*949.77*	
26 13 16 00-0031	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,253.00	990.60
		For Weatherproofing, Add	*1,242.82*	
26 13 16 00-0032	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,360.31	990.60
		For Weatherproofing, Add	*1,897.63*	
26 13 16 00-0033		**13.8 KV Switchgear Section** *(26 13 16 00-0001)*		
		Note: Excludes air circuit breaker element.		
26 13 16 00-0034	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,983.71	842.01
		For Weatherproofing, Add	*979.09*	
26 13 16 00-0035	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,281.20	842.01
		For Weatherproofing, Add	*1,044.53*	
26 13 16 00-0036	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,471.78	1,040.14
		For Weatherproofing, Add	*1,497.50*	
26 13 16 00-0037	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,856.82	1,248.16
		For Weatherproofing, Add	*1,333.39*	
26 13 16 00-0038	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,258.70	1,248.16
		For Weatherproofing, Add	*1,641.81*	
26 13 16 00-0039	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,510.09	1,456.19
		For Weatherproofing, Add	*1,887.67*	
26 13 16 00-0040	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,092.55	1,664.21
		For Weatherproofing, Add	*1,766.89*	
26 13 16 00-0041	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,053.15	1,664.21
		For Weatherproofing, Add	*1,978.22*	
26 13 16 00-0042	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,276.12	1,862.34
		For Weatherproofing, Add	*2,438.09*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	2,560.77	627.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*376.66*	
26 13 16 00-0045	EA	2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	3,146.68	696.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*417.98*	
26 13 16 00-0046	EA	3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	4,063.22	838.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*502.85*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,021.84	1,260.35
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	2,756.86	82.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	3,664.84	82.44
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,667.87	82.44
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,251.33	82.44
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,727.97	82.44
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,778.16	82.44
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,277.34	82.44
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,436.94	82.44
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,155.56	82.44
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,398.55	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0058	EA	AC Ammeter With Switch	578.99	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	578.99	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0060	EA	Indicating Wattmeter	830.90	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0061	EA	Indicating Varmeter	970.65	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	629.03	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	1,407.18	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	2,609.34	82.44
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	409.47	82.44
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	1,758.72	82.44

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	28,339.39	1,238.25
26 13 19 00-0003	EA	1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	31,344.09	1,565.15
26 13 19 00-0004	EA	1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	35,607.99	1,565.15
26 13 19 00-0005	EA	2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	32,380.98	1,238.25
26 13 19 00-0006	EA	2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	36,327.86	1,238.25
26 13 19 00-0007	EA	2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	41,423.90	1,456.19
26 13 19 00-0008	EA	3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	42,843.03	1,664.21
26 13 19 00-0009	EA	3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	46,809.95	1,664.21
26 13 19 00-0010	EA	3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	51,179.51	1,872.25

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 16 Medium-Voltage Fuses *(26 18)*

26 18 16 00-0001 Sectionalizing Switch *(26 18 16)*

26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 16 00-0001)*
Note: 15 KV - 25 KV.

26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 16 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 16 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	18,936.18	688.37
26 18 16 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	21,255.20	688.37

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001 Service Drop Cable And Weatherheads *(26 21 13)*

26 21 13 00-0002 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*

26 21 13 00-0003 Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	6.08	2.36
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.25	2.79
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.34	3.15
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.80	3.96

26 21 13 00-0008 Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.29	2.79
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.29	3.15
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.49	3.96
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	12.95	4.83
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	17.02	6.39
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	21.39	7.92
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	26.96	9.44

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	8.30	3.15
26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.48	3.96
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	13.48	5.08
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	17.27	6.39
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	19.17	7.07
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	21.81	7.92
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	25.82	9.44
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	30.33	10.43
26 21 13 00-0025		Aluminum Triplex For Underground Service, Direct Burial *(26 21 13 00-0002)*		
		Note: Excludes excavation and backfill.		
26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,581.58	880.54
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,836.22	932.36
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,177.33	990.60
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,477.64	990.60
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,798.76	1,056.67
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	4,456.36	1,219.23
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	5,604.70	1,584.96
26 21 13 00-0033		Weather Proof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs	41.38	15.87
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs	47.17	18.04
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs	54.41	20.20
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs	75.34	27.06
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs	82.57	29.22
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs	104.76	33.91
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs	134.41	38.24
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs	171.41	45.09
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs	308.80	90.19
26 21 13 00-0043		Service Entrance Cap, Threaded Weatherhead, Galvanized *(26 21 13 00-0002)*		
26 21 13 00-0044	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	47.32	15.87
26 21 13 00-0045	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	54.31	18.04
26 21 13 00-0046	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	62.27	20.20
26 21 13 00-0047	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	83.69	27.06
26 21 13 00-0048	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	94.92	29.22
26 21 13 00-0049	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	125.63	33.91
26 21 13 00-0050	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	215.17	38.24
26 21 13 00-0051	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	244.63	45.09
26 21 13 00-0052	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	398.96	90.19
26 21 13 00-0053		Service Entrance Cap, Clamp-On Weatherhead, Aluminum *(26 21 13 00-0002)*		
26 21 13 00-0054	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	45.65	15.87
26 21 13 00-0055	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	51.50	18.04
26 21 13 00-0056	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	58.47	20.11
26 21 13 00-0057	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	77.70	27.06
26 21 13 00-0058	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	86.82	29.22
26 21 13 00-0059	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	102.48	33.91
26 21 13 00-0060	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	171.75	38.24
26 21 13 00-0061	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	222.78	45.09
26 21 13 00-0062	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service	312.81	67.64
26 21 13 00-0063	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	372.97	90.19
26 21 13 00-0064		Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) *(26 21 13 00-0002)*		
26 21 13 00-0065	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service	44.94	15.87
26 21 13 00-0066	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service	51.54	18.04
26 21 13 00-0067	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	58.80	20.11
26 21 13 00-0068	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	78.20	27.06
26 21 13 00-0069	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service	85.41	29.22
26 21 13 00-0070	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service	106.61	33.91
26 21 13 00-0071	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	196.15	38.24
26 21 13 00-0072	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service	217.63	45.09
26 21 13 00-0073	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service	383.51	67.64
26 21 13 00-0074	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service	534.55	90.19

26 22 Low-Voltage Transformers *(26 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	618.42	231.42
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	792.26	277.70
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	917.26	289.73
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,043.24	300.85
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,340.09	323.99
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,543.90	347.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*42.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*63.72*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,678.33	370.27
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*46.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*70.33*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,707.33	416.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*43.71*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*65.57*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,989.44	462.84
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*53.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*79.78*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,552.74	555.41
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*72.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*108.14*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,160.87	647.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*93.25*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*139.87*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,759.54	833.12
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*154.67*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*232.00*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	7,904.80	1,018.25
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*293.42*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*440.12*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	11,781.84	1,157.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*473.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*710.07*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	719.85	277.70
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	801.24	289.27
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	913.55	300.85
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,035.11	323.99

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,543.90	347.13
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,678.33	370.27

26 22 13 00-0025 1 Phase Mounting Brackets *(26 22 13 00-0001)*

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	427.59	164.90

26 22 13 00-0027 1 Phase Weathershields *(26 22 13 00-0001)*

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	30.61	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	39.01	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	46.52	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	55.50	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	75.09	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	89.78	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	110.18	

26 22 13 00-0035 Packaged Power Supply *(26 22 13 00-0001)*

Note: 2-5 Percent FCBN taps.

26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers	1,028.52	289.27
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers	1,127.83	300.85
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers	1,219.48	323.99
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers	1,436.02	347.13
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers	1,846.93	370.27

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*			
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		755.27	208.28
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		989.27	231.42
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		1,163.46	277.70
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		1,264.14	289.27
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		1,393.38	300.85
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		1,717.16	323.99
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer		2,137.26	347.13
26 22 13 00-0049		1 Phase, 208/600 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*			
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		2,530.93	347.13
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		2,638.09	370.27
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		2,751.73	393.41
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		3,502.48	416.56
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		3,648.20	439.70
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry		4,710.03	462.84
26 22 13 00-0056		3 Phase General Purpose "Dry Type" Transformer *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.			
26 22 13 00-0057		Packaged Power Supply *(26 22 13 00-0056)* Note: 2-5 Percent FCBN taps.			
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers		4,147.00	995.11
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		*107.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		*161.76*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers		4,801.77	1,064.53
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		*133.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		*200.45*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers		5,593.59	1,157.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		*163.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		*245.95*	
26 22 13 00-0061		Drive Isolation Transformers *(26 22 13 00-0056)* Note: Only use in step-up applications.			
26 22 13 00-0062		230 Volt Drive Isolation Transformers *(26 22 13 00-0061)*			
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		2,649.44	370.27
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,052.75	393.41
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,170.45	416.56
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,680.38	439.70
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,846.25	485.98
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		4,226.35	532.27
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		4,751.16	578.55
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		5,498.39	647.97
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		5,915.01	671.12
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		6,733.43	694.26
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		8,286.83	717.41
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		9,390.57	879.40
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		10,409.50	925.69
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		11,820.68	971.96
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		14,385.48	1,157.10
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		18,861.65	1,365.38
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		19,982.89	1,504.24
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		24,140.85	1,666.23
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		29,555.17	1,851.36
26 22 13 00-0082		208V Drive Isolation Transformers *(26 22 13 00-0061)*			
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		2,746.60	370.27
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,168.09	393.41
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,289.42	416.56
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,822.95	439.70
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		3,992.56	485.98
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		4,341.00	509.13
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		4,980.38	601.69
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		5,712.29	647.97
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		6,147.77	671.12
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		7,005.49	694.26
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		8,635.60	717.41
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		9,779.02	879.40
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		10,845.11	925.69
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		12,323.41	971.96
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		14,999.91	1,157.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0098		**480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,007.50	381.84
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,539.79	416.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*85.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*128.00*	
26 22 13 00-0101		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,892.98	509.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*93.74*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*140.60*	
		For K4 Factor Rating, Add	*1,312.31*	
		For K13 Factor Rating, Add	*1,874.73*	
		For K20 Factor Rating, Add	*2,437.15*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,428.09	555.41
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*115.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*173.80*	
		For K4 Factor Rating, Add	*1,622.09*	
		For K13 Factor Rating, Add	*2,317.27*	
		For K20 Factor Rating, Add	*3,012.45*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,606.99	601.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*120.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*180.27*	
		For K4 Factor Rating, Add	*1,682.52*	
		For K13 Factor Rating, Add	*2,403.60*	
		For K20 Factor Rating, Add	*3,124.68*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,581.14	647.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*164.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*246.39*	
		For K4 Factor Rating, Add	*2,299.63*	
		For K13 Factor Rating, Add	*3,285.18*	
		For K20 Factor Rating, Add	*4,270.73*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,577.94	694.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*159.47*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*239.21*	
		For K4 Factor Rating, Add	*2,232.59*	
		For K13 Factor Rating, Add	*3,189.42*	
		For K20 Factor Rating, Add	*4,146.25*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,664.54	833.12
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*199.92*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*299.87*	
		For K4 Factor Rating, Add	*2,798.82*	
		For K13 Factor Rating, Add	*3,998.31*	
		For K20 Factor Rating, Add	*5,197.80*	
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,183.72	925.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*266.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*399.93*	
		For K4 Factor Rating, Add	*3,732.65*	
		For K13 Factor Rating, Add	*5,332.36*	
		For K20 Factor Rating, Add	*6,932.07*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,681.86	1,157.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*368.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*552.57*	
		For K4 Factor Rating, Add	*5,157.36*	
		For K13 Factor Rating, Add	*7,367.65*	
		For K20 Factor Rating, Add	*9,577.95*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,828.12	1,434.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*447.93*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*671.89*	
		For K4 Factor Rating, Add	*6,270.96*	
		For K13 Factor Rating, Add	*8,958.51*	
		For K20 Factor Rating, Add	*11,646.06*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	16,635.88	1,758.79
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*655.91*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*983.87*	
		For K4 Factor Rating, Add	*9,182.80*	
		For K13 Factor Rating, Add	*13,118.29*	
		For K20 Factor Rating, Add	*17,053.78*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	36,256.66	2,111.00
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,599.93*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,399.89*	
		For K4 Factor Rating, Add	*22,398.96*	
		For K13 Factor Rating, Add	*31,998.52*	
		For K20 Factor Rating, Add	*41,598.08*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	47,230.28	2,314.21
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,130.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,195.14*	
		For K4 Factor Rating, Add	*29,821.31*	
		For K13 Factor Rating, Add	*42,601.87*	
		For K20 Factor Rating, Add	*55,382.43*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0114		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*		
26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,686.83	358.70
		For K4 Factor Rating, Add	*678.59*	
		For K13 Factor Rating, Add	*969.42*	
		For K20 Factor Rating, Add	*1,260.25*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,007.50	381.84
		For K4 Factor Rating, Add	*870.67*	
		For K13 Factor Rating, Add	*1,243.82*	
		For K20 Factor Rating, Add	*1,616.97*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,539.79	416.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*85.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*128.00*	
		For K4 Factor Rating, Add	*1,194.67*	
		For K13 Factor Rating, Add	*1,706.67*	
		For K20 Factor Rating, Add	*2,218.67*	
26 22 13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0056)*		
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,586.88	509.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*178.43*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*267.65*	
		For K4 Factor Rating, Add	*2,498.04*	
		For K13 Factor Rating, Add	*3,568.63*	
		For K20 Factor Rating, Add	*4,639.22*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,174.56	601.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*198.56*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*297.84*	
		For K4 Factor Rating, Add	*2,779.82*	
		For K13 Factor Rating, Add	*3,971.17*	
		For K20 Factor Rating, Add	*5,162.52*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,428.20	694.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*301.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*452.98*	
		For K4 Factor Rating, Add	*4,227.78*	
		For K13 Factor Rating, Add	*6,039.68*	
		For K20 Factor Rating, Add	*7,851.58*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,284.42	833.12
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*380.91*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*571.36*	
		For K4 Factor Rating, Add	*5,332.73*	
		For K13 Factor Rating, Add	*7,618.19*	
		For K20 Factor Rating, Add	*9,903.65*	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,099.33	925.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*462.40*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*693.60*	
		For K4 Factor Rating, Add	*6,473.58*	
		For K13 Factor Rating, Add	*9,247.97*	
		For K20 Factor Rating, Add	*12,022.36*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	14,196.06	1,157.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*594.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*891.14*	
		For K4 Factor Rating, Add	*8,317.30*	
		For K13 Factor Rating, Add	*11,881.85*	
		For K20 Factor Rating, Add	*15,446.41*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,290.35	1,434.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*721.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,081.56*	
		For K4 Factor Rating, Add	*10,094.52*	
		For K13 Factor Rating, Add	*14,420.74*	
		For K20 Factor Rating, Add	*18,746.96*	
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	27,202.89	1,758.79
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,184.27*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,776.40*	
		For K4 Factor Rating, Add	*16,579.71*	
		For K13 Factor Rating, Add	*23,685.30*	
		For K20 Factor Rating, Add	*30,790.89*	
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,402.59	416.56
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,504.38	509.13
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,989.12	601.69
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,295.94	694.26
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,236.18	833.12
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,141.54	925.69
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,042.70	1,157.10
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,289.08	1,434.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,717.69	416.56
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,001.90	509.13
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,745.96	601.69
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,275.92	694.26
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,749.87	833.12
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,000.49	925.69
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,188.10	1,157.10
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,773.28	1,434.80
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	2,925.63	413.02
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,568.73	504.81
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,302.80	596.59
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,782.94	688.37
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,741.70	826.05
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,636.30	917.82
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,779.75	1,147.28
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,000.19	1,422.63
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,557.34	413.02
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,333.91	504.81
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,235.90	596.59
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,105.01	688.37
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,106.28	826.05
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,976.49	917.82
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,925.51	1,147.28
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,546.67	1,422.63
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,186.50	413.02
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,101.23	504.81
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,169.01	596.59
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,424.96	688.37
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,827.94	826.05
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,316.68	917.82
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,071.28	1,147.28
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	27,093.16	1,422.63
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	3,976.06	413.02
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,846.17	504.81
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,856.55	596.59
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,984.97	688.37
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,853.45	826.05
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,617.39	917.82
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,129.67	1,147.28
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,734.95	1,422.63
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,605.22	413.02
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,613.48	504.81
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,789.66	596.59
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,307.05	688.37
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,203.27	826.05
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,923.68	917.82
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,882.33	1,147.28
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	34,128.62	1,422.63
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,236.50	413.02
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,380.79	504.81
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,722.76	596.59
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,626.99	688.37
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,894.17	826.05
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,828.26	917.82
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,632.86	1,147.28
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,832.49	1,422.63
26 22 13 00-0203		3 Phase Weathershields *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0207		Three Phase Mounting Brackets *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	551.11	164.90
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 22 13)*		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer *(26 22 13 00-0209)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications *(26 22 13 00-0210)*		
		Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	494.15	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218		**Accessories For Transformer Liquid Containment Area** *(26 22 13 00-0210)*		
		Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	4,469.51	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,129.39*	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	4,469.51	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,129.39*	
26 22 13 00-0221	EA	Containment Area For 150 KVA	4,469.51	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,129.39*	
26 22 13 00-0222	EA	Containment Area For 225 KVA	4,469.51	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,129.39*	
26 22 13 00-0223	EA	Containment Area For 300 KVA	4,463.44	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,127.57*	
26 22 13 00-0224	EA	Containment Area For 500 KVA	4,463.44	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,127.57*	
26 22 13 00-0225	EA	Containment Area For 750 KVA	4,483.79	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,127.57*	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA	4,778.82	1,694.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,127.57*	
26 22 13 00-0227		**Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 22 13 00-0210)*		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,557.35	1,101.39
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,993.37	1,101.39
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,284.04	1,101.39
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,156.07	1,101.39
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,040.99	1,652.09
26 22 13 00-0233	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,331.66	1,652.09
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,819.77	1,652.09
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,184.15	2,202.79
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,962.93	2,202.79
26 22 13 00-0237		**Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL** *(26 22 13 00-0210)*		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,702.69	1,101.39
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,284.04	1,101.39
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,429.38	1,101.39
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,574.72	1,101.39
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,040.99	1,652.09
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,622.34	1,652.09
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,819.77	1,652.09
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,329.48	2,202.79
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,962.93	2,202.79
26 22 13 00-0247		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 22 13 00-0209)*		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,507.84	1,446.51
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,579.18	1,707.63
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	12,142.77	2,087.11
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	14,259.69	2,348.22
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	16,879.71	2,471.74
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	21,390.42	3,611.58
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	24,870.97	4,085.91
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	30,532.71	4,696.45
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	33,326.12	4,931.28
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	35,658.14	5,495.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	40,287.05	5,870.75
26 22 13 00-0259		Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 22 13 00-0209)*		
26 22 13 00-0260	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	35,414.55	4,090.30
26 22 13 00-0261	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	43,225.93	4,703.86
26 22 13 00-0262	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	48,725.50	4,951.40
26 22 13 00-0263	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	52,046.92	5,533.95
26 22 13 00-0264	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	57,813.25	5,701.63
26 22 13 00-0265		Silicone Filled Distribution Transformers, 3 Phase *(26 22 13 00-0209)*		
		Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,185.32	1,707.63
26 22 13 00-0267	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,693.28	2,087.11
26 22 13 00-0268	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,419.67	2,348.22
26 22 13 00-0269	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,953.89	2,471.74
26 22 13 00-0270	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,522.62	3,611.58
26 22 13 00-0271	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	35,440.87	4,085.91
26 22 13 00-0272	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,742.71	4,696.45
26 22 13 00-0273	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	48,206.47	4,931.28
26 22 13 00-0274		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0275	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	141.44	30.31

26 24 Switchboards And Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0002		Incoming Service Section Main Device Only *(26 24 13 00-0001)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,072.33	788.84
26 24 13 00-0004	EA	600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,396.35	834.39
26 24 13 00-0005	EA	800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,438.91	946.49
26 24 13 00-0006	EA	1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,858.29	1,014.67
26 24 13 00-0007	EA	1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,336.71	1,081.85
26 24 13 00-0008	EA	2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	10,404.56	1,150.31
26 24 13 00-0009	EA	400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,700.41	788.84
26 24 13 00-0010	EA	600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,720.04	834.39
26 24 13 00-0011	EA	800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,553.67	947.30
26 24 13 00-0012	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,932.46	1,014.67
26 24 13 00-0013	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,336.71	1,082.94
26 24 13 00-0014	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	10,404.56	1,150.31
26 24 13 00-0015	EA	2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	12,483.20	1,202.61
26 24 13 00-0016	EA	3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	14,143.91	1,288.38
26 24 13 00-0017	EA	4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	16,679.49	1,388.85
26 24 13 00-0018	EA	400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,104.90	698.93
26 24 13 00-0019	EA	600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,321.59	744.11
26 24 13 00-0020	EA	800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,659.72	856.57
26 24 13 00-0021	EA	1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,864.64	892.56
26 24 13 00-0022	EA	1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,046.88	924.75
26 24 13 00-0023	EA	1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,335.82	991.49
26 24 13 00-0024	EA	2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,606.11	1,059.49
26 24 13 00-0025		Branch Breaker Units *(26 24 13 00-0001)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 - 60 Amp MC Branch Breaker, 240 Volt	258.85	27.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.50*	
26 24 13 00-0027	EA	70 - 100 Amp MC Branch Breaker, 240 Volt	379.60	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	
26 24 13 00-0028	EA	125 - 225 Amp MC Branch Breaker, 240 Volt	1,015.22	78.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.35*	
26 24 13 00-0029	EA	100 - 400 Amp MC Branch Breaker, 240 Volt	1,798.12	102.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.69*	
26 24 13 00-0030	EA	300 - 600 Amp MC Branch Breaker, 240 Volt	3,210.93	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0031	EA	400 - 800 Amp MC Branch Breaker, 240 Volt	5,123.21	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0032	EA	600 - 1,200 Amp MC Branch Breaker, 240 Volt	8,310.91	450.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,345.39	1,023.60
26 24 13 00-0036	EA	600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,847.90	1,023.60
26 24 13 00-0037	EA	800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	7,134.52	1,330.23
26 24 13 00-0038	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	8,076.28	1,330.23
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,763.50	698.93
26 24 13 00-0042	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	3,073.05	744.11
26 24 13 00-0043	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,675.28	856.57
26 24 13 00-0044	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	5,078.91	924.03
26 24 13 00-0045	EA	200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,359.73	698.93
26 24 13 00-0046	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	4,227.29	744.11
26 24 13 00-0047	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	5,913.61	856.57
26 24 13 00-0048	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	8,456.29	924.03
26 24 13 00-0049	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	9,922.02	1,037.12
26 24 13 00-0050	EA	200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	1,948.67	608.65
26 24 13 00-0051	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,180.47	653.92
26 24 13 00-0052	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,559.56	766.39
26 24 13 00-0053	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,752.59	802.37
26 24 13 00-0054	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,939.03	834.39
26 24 13 00-0055	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,187.81	892.56
26 24 13 00-0056	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,430.76	946.49
26 24 13 00-0057	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,258.34	1,172.40
26 24 13 00-0058	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,763.37	1,285.13
26 24 13 00-0059	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	5,590.17	1,386.59
26 24 13 00-0060		**Branch Breaker Units** *(26 24 13 00-0039)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 - 60 Amp MC Branch Breaker, 120 / 240 Volt	140.29	23.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.34*	
26 24 13 00-0062	EA	70 - 100 Amp MC Branch Breaker, 120 / 240 Volt	223.07	39.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 24 13 00-0063	EA	125 - 225 Amp MC Branch Breaker, 120 / 240 Volt	671.49	55.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.28*	
26 24 13 00-0064	EA	100 - 400 Amp MC Branch Breaker, 120 / 240 Volt	1,919.72	71.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.75*	
26 24 13 00-0065	EA	300 - 600 Amp MC Branch Breaker, 120 / 240 Volt	3,031.50	173.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.15*	
26 24 13 00-0066	EA	400 - 800 Amp MC Branch Breaker, 120 / 240 Volt	4,300.41	173.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.15*	
26 24 13 00-0067	EA	600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt	7,096.63	331.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*198.88*	
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,073.43	788.84
26 24 13 00-0071	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,395.12	834.39
26 24 13 00-0072	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	5,437.31	946.49
26 24 13 00-0073	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	5,856.45	1,014.67
26 24 13 00-0074	EA	1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	9,332.55	1,081.85
26 24 13 00-0075	EA	2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	10,404.56	1,150.31
26 24 13 00-0076	EA	400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	3,701.51	788.84
26 24 13 00-0077	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	4,718.81	834.39
26 24 13 00-0078	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	6,553.66	947.30
26 24 13 00-0079	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	8,930.62	1,014.67
26 24 13 00-0080	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	9,334.62	1,082.94
26 24 13 00-0081	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	10,404.56	1,150.31
26 24 13 00-0082	EA	400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,204.21	698.93
26 24 13 00-0083	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,460.25	744.11
26 24 13 00-0084	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,867.48	856.57
26 24 13 00-0085	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,082.06	892.56
26 24 13 00-0086	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,289.18	924.75
26 24 13 00-0087	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,569.08	991.49
26 24 13 00-0088	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,852.92	1,059.49
26 24 13 00-0089	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	4,567.74	1,203.97
26 24 13 00-0090	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	5,048.96	1,288.29
26 24 13 00-0091	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	5,946.19	1,384.34

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt	258.85	27.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.50*	
26 24 13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt	379.60	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	
26 24 13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt	1,015.22	78.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.35*	
26 24 13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt	1,798.12	102.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.69*	
26 24 13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt	3,210.93	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0098	EA	400 - 800 Amp MC Branch Breaker, 120/208 Volt	5,123.21	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0099	EA	600 - 1,200 Amp MC Branch Breaker, 120/208 Volt	8,310.91	450.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.01*	
26 24 13 00-0100		**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0101		**Incoming Service Section Main Device Only** *(26 24 13 00-0100)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	3,990.66	1,081.85
26 24 13 00-0103	EA	600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	4,375.98	1,150.31
26 24 13 00-0104	EA	800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	6,184.79	1,283.96
26 24 13 00-0105	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	6,757.54	1,374.78
26 24 13 00-0106	EA	400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	5,057.00	1,081.85
26 24 13 00-0107	EA	600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	6,766.01	1,150.31
26 24 13 00-0108	EA	800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	7,664.29	1,285.40
26 24 13 00-0109	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	9,650.80	1,374.78
26 24 13 00-0110	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	10,100.69	1,465.96
26 24 13 00-0111	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	11,218.03	1,557.03
26 24 13 00-0112	EA	400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,204.21	698.93
26 24 13 00-0113	EA	600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,460.25	744.11
26 24 13 00-0114	EA	800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,867.48	856.57
26 24 13 00-0115	EA	1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,082.06	892.56
26 24 13 00-0116	EA	1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,289.18	924.75
26 24 13 00-0117	EA	1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,569.08	991.49
26 24 13 00-0118	EA	2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,852.92	1,059.49
26 24 13 00-0119		**Branch Breaker Units** *(26 24 13 00-0100)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 - 60 Amp MC Branch Breaker, 480 / 277 Volt	532.76	27.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.50*	
26 24 13 00-0121	EA	70 - 100 Amp MC Branch Breaker, 480 / 277 Volt	615.29	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	
26 24 13 00-0122	EA	125 - 225 Amp MC Branch Breaker, 480 / 277 Volt	1,115.87	78.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.35*	
26 24 13 00-0123	EA	100 - 400 Amp MC Branch Breaker, 480 / 277 Volt	1,798.12	102.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.69*	
26 24 13 00-0124	EA	300 - 600 Amp MC Branch Breaker, 480 / 277 Volt	4,309.12	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0125	EA	400 - 800 Amp MC Branch Breaker, 480 / 277 Volt	4,407.22	252.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.49*	
26 24 13 00-0126	EA	600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt	7,076.40	450.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.01*	
26 24 13 00-0127		**Fusible Branch Circuit Switch** *(26 24 13)* Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		**240 Volt, 2 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0129	EA	30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	553.31	70.80
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0130	EA	30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	551.40	70.80
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0131	EA	60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	551.40	70.80
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0132	EA	60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	863.57	93.34
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0133	EA	100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	863.57	93.34
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0134		**240 Volt, 2 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0135	EA	100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	631.74	69.44
		For Electrical Interlock Kit, Add	*213.36*	
26 24 13 00-0136	EA	200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	917.85	69.44
		For Electrical Interlock Kit, Add	*213.36*	
26 24 13 00-0137	EA	400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	2,360.03	187.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0138		**240 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0139	EA	30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	707.91	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0140	EA	30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	706.01	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0141	EA	60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	706.01	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0142	EA	60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	1,062.16	106.87
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0143	EA	100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	1,062.16	106.87
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	764.53	78.46
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0146	EA	200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	1,230.93	78.46
		For Electrical Interlock Kit, Add	*213.36*	
26 24 13 00-0147	EA	400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	3,156.58	209.50
26 24 13 00-0148	EA	600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,504.58	268.39
26 24 13 00-0149	EA	800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	8,370.25	363.63
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	996.73	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0152	EA	30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	994.79	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0153	EA	60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	996.73	79.81
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0154	EA	60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,497.94	106.87
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0155	EA	100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,530.19	106.87
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0156	EA	200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	3,249.12	139.79
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,075.59	78.46
		For Electrical Interlock Kit, Add	*222.72*	
26 24 13 00-0159	EA	200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,625.84	78.46
		For Electrical Interlock Kit, Add	*213.36*	
26 24 13 00-0160	EA	400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	3,957.62	209.50
		For Electrical Interlock Kit, Add	*213.36*	
26 24 13 00-0161	EA	600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,807.78	268.39
26 24 13 00-0162	EA	800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	8,370.25	363.63
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volts, 250 Volts DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,077.37	829.70
26 24 13 00-0167	EA	24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,471.34	829.70
26 24 13 00-0168	EA	34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,752.32	1,055.16
26 24 13 00-0169	EA	42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,043.67	1,055.16
26 24 13 00-0170		**800 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,342.51	960.47
26 24 13 00-0172	EA	24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,724.96	960.47
26 24 13 00-0173	EA	34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,043.67	1,190.44
26 24 13 00-0174	EA	42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,305.41	1,190.44
26 24 13 00-0175		**1,200 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	2,752.88	1,172.40
26 24 13 00-0177	EA	24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,145.18	1,172.40
26 24 13 00-0178	EA	34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,484.35	1,442.96
26 24 13 00-0179	EA	42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,867.78	1,442.96
26 24 13 00-0180		**1,600 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,378.55	1,285.13
26 24 13 00-0182	EA	24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,849.67	1,285.13
26 24 13 00-0183	EA	34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,253.61	1,587.24
26 24 13 00-0184	EA	42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,587.63	1,587.24

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0185		**2,000 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	3,545.74	1,289.64
26 24 13 00-0187	EA	24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,056.13	1,451.98
26 24 13 00-0188	EA	34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,137.99	1,451.98
26 24 13 00-0189	EA	42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,314.96	1,533.13
26 24 13 00-0190		**3,000 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,834.42	1,451.98
26 24 13 00-0192	EA	34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,915.06	1,451.98
26 24 13 00-0193	EA	42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,092.03	1,533.13
26 24 13 00-0194		**4,000 Amp Main Bus, 4 Wire** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	4,950.04	1,533.13
26 24 13 00-0196	EA	34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,092.03	1,533.13
26 24 13 00-0197	EA	42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC	5,155.94	1,533.13
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	433.08	108.22
26 24 13 00-0200	EA	Drilled Bottom	488.50	108.22
26 24 13 00-0201	EA	Cable Supports In Pull Box	172.28	27.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.03*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal	422.52	126.26
26 24 13 00-0204	EA	24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal	725.36	162.33
26 24 13 00-0205	EA	24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal	725.36	162.33
26 24 13 00-0206	EA	14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	545.34	126.26
26 24 13 00-0207	EA	28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	776.66	184.88
26 24 13 00-0208	EA	14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	887.96	184.88
26 24 13 00-0209	EA	26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	932.74	238.99
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	987.31	238.99
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,373.83	751.51
26 24 13 00-0213	EA	800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,694.32	816.89
26 24 13 00-0214	EA	1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	4,636.16	1,043.80
26 24 13 00-0215	EA	1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	5,069.97	1,138.67
26 24 13 00-0216	EA	2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	5,406.69	1,212.17
26 24 13 00-0217	EA	400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	3,975.51	659.25
26 24 13 00-0218	EA	Distribution Section Subfeeder Lug-Rated At 200 Amp	2,304.53	626.24
26 24 13 00-0219	EA	Distribution Section Subfeeder Lug-Rated At 400 Amp	2,551.14	679.09
26 24 13 00-0220	EA	Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire	3,032.33	751.51
26 24 13 00-0221	EA	800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	3,300.04	753.49
26 24 13 00-0222	EA	1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	3,643.37	841.24
26 24 13 00-0223	EA	15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	130.84	45.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.54*	
26 24 13 00-0224	EA	70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	159.40	45.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.53*	
26 24 13 00-0225	EA	70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	716.23	54.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.09*	
26 24 13 00-0226	EA	125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,182.09	116.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.60*	
26 24 13 00-0227	EA	100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	475.27	162.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 24 13 00-0228	EA	225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	1,318.14	93.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.09*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper 480 V** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amp Switchboard, Structure Per Section, Copper, 480 Volt	1,749.27	391.40
26 24 13 00-0231	EA	400 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,483.83	529.29
26 24 13 00-0232	EA	600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,794.71	644.18
26 24 13 00-0233	EA	800 Amp Switchboard, Structure Per Section, Copper, 480 Volt	3,538.99	901.84
26 24 13 00-0234	EA	1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt	4,387.03	1,127.31
26 24 13 00-0235	EA	1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	4,816.55	1,127.31
26 24 13 00-0236	EA	2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	5,964.17	1,503.11
26 24 13 00-0237	EA	2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt	6,787.75	1,503.11
26 24 13 00-0238	EA	3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	7,985.38	1,789.35
26 24 13 00-0239	EA	4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	9,500.86	1,789.35
26 24 13 00-0240		**Main Devices** *(26 24 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	6,070.88	946.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*566.96*	
26 24 13 00-0244	EA	50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	11,054.71	1,578.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*945.99*	
26 24 13 00-0245	EA	1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	24,753.03	2,651.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,576.65*	
26 24 13 00-0246	EA	4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	39,897.21	4,292.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,621.64*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,062.40	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	266.35	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	349.44	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	251.69	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	7,095.72	992.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*598.04*	
26 24 13 00-0253	EA	50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	13,151.11	1,668.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*996.15*	
26 24 13 00-0254	EA	1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	27,778.71	2,750.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,657.81*	
26 24 13 00-0255	EA	4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	42,957.08	4,509.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,772.07*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip	4,849.92	865.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*520.30*	
26 24 13 00-0258	EA	50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip	8,851.70	1,451.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*867.16*	
26 24 13 00-0259	EA	2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip	13,161.25	2,434.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,445.27*	
26 24 13 00-0260	EA	1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip	22,691.28	3,923.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,407.06*	
26 24 13 00-0261	EA	4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip	36,948.58	6,403.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,002.28*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

26 24 13 00-0263	EA	50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	5,690.98	829.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*496.25*	
26 24 13 00-0264	EA	50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	10,595.33	1,388.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*826.88*	
26 24 13 00-0265	EA	2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,140.52	2,308.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,380.38*	
26 24 13 00-0266	EA	1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	24,993.92	3,760.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,300.63*	
26 24 13 00-0267	EA	4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	39,148.71	6,448.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,843.10*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional	2,115.59	757.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*436.38*	
26 24 13 00-0270	EA	125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,052.01	757.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*474.65*	
26 24 13 00-0271	EA	300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,383.75	901.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*520.30*	
26 24 13 00-0272	EA	400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional	4,008.44	901.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*563.65*	
26 24 13 00-0273	EA	600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional	5,893.02	1,082.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*617.70*	
26 24 13 00-0274	EA	1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional	9,443.26	1,082.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*683.22*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	263.91	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	61.09	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	427.51	65.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.21*	
26 24 13 00-0279	EA	100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	505.71	86.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0280	EA	225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,444.47	130.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.38*	
26 24 13 00-0281	EA	400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,908.01	163.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.31*	
26 24 13 00-0282	EA	600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,312.56	219.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.85*	
26 24 13 00-0283	EA	800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,795.33	281.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.10*	
26 24 13 00-0284	EA	1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,492.60	429.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.67*	
26 24 13 00-0285	EA	1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,492.60	429.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.67*	
26 24 13 00-0286	EA	1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	6,300.99	601.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*360.74*	
26 24 13 00-0287	EA	2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	7,884.84	901.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*541.11*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amp, Switchboard 277/480 Volt Main Breaker	5,088.18	391.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.86*	
26 24 13 00-0290	EA	600 Amp, Switchboard 277/480 Volt Main Breaker	5,162.59	428.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.18*	
26 24 13 00-0291	EA	800 Amp, Switchboard 277/480 Volt Main Breaker	5,593.68	644.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.51*	
26 24 13 00-0292	EA	1,200 Amp, Switchboard 277/480 Volt Main Breaker	9,538.09	901.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*541.11*	
26 24 13 00-0293	EA	1,600 Amp, Switchboard 277/480 Volt Main Breaker	9,729.63	997.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*598.57*	
26 24 13 00-0294	EA	2,000 Amp, Switchboard 277/480 Volt Main Breaker	12,914.73	1,789.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,073.63*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	353.09	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 13 00-0298	EA	70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	361.30	40.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 13 00-0299	EA	125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	839.85	48.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 13 00-0300	EA	70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,213.20	63.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	
26 24 13 00-0301	EA	125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,703.97	77.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 13 00-0302	EA	300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,225.29	91.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.88*	
26 24 13 00-0303	EA	900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,375.07	102.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.72*	

26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0305	EA	15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	244.49	24.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 13 00-0306	EA	70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	314.84	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 13 00-0307	EA	125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	832.09	40.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 13 00-0308	EA	70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,306.48	45.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.76*	
26 24 13 00-0309	EA	125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,387.65	58.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.23*	
26 24 13 00-0310	EA	900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,115.89	85.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.82*	

26 24 13 00-0311 Meter Devices And Instrumentation *(26 24 13)*

Note: Factory installed accessories.

26 24 13 00-0312 Instrument Transformers And Metering Compartments *(26 24 13 00-0311)*

26 24 13 00-0313	EA	800 Amp And Below Primary Current Transformer, With Compartment	318.89
26 24 13 00-0314	EA	1,000 - 1,500 Amp Primary Current Transformer, With Compartment	460.62
26 24 13 00-0315	EA	2,000 - 6,000 Amp Primary Current Transformer, With Compartment	542.48
26 24 13 00-0316	EA	Potential Transformer With 200 VA Max	390.98
26 24 13 00-0317	EA	5 To 800 Amp, Three Current Transformers	1,353.50
26 24 13 00-0318	EA	1,000 To 1,500 Amp, Three Current Transformers	2,403.40
26 24 13 00-0319	EA	2,000 To 4,000 Amp, Three Current Transformers	3,127.39

26 24 13 00-0320 Instruments *(26 24 13 00-0311)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0321	EA	AC Voltmeter	434.96	
26 24 13 00-0322	EA	AC Ammeter	434.96	
26 24 13 00-0323	EA	AC Wattmeter	1,161.93	
26 24 13 00-0324	EA	Variometer	1,312.22	
26 24 13 00-0325	EA	Power Factor Meter	1,048.31	
26 24 13 00-0326	EA	Frequency Meter	1,157.05	
26 24 13 00-0327	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,472.27	
26 24 13 00-0328	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,463.15	
26 24 13 00-0329	EA	Weatherproof, Modify Meter	2,399.13	
26 24 13 00-0330	EA	Control Switch Resistor Type 130 V	56.95	
26 24 13 00-0331	EA	Metering Instrument Volt, Amp And Watt Hour	2,971.18	

26 24 16 Panelboards *(26 24)*

26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0004	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	831.62	257.03
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0005	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	958.10	257.03
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0006	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,091.85	356.23
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0007	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,219.49	356.23
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0008	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,347.72	446.42
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0009	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,481.80	446.42
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0010	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,603.50	514.06
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0011	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	1,921.00	658.34
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0012	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,048.99	658.34
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0013	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,521.65	753.04
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0014	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,711.21	753.04
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0015	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,828.67	847.73
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0016	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,001.90	847.73
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0017	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,116.78	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0018	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,289.79	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0019	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,482.83	1,037.12
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0020	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,549.12	1,037.12
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0021	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,780.55	1,037.12
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	902.38	248.01
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0024	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,030.82	248.01
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0025	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,369.28	423.87
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0026	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,499.82	423.87
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0027	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,629.34	518.56
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0028	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	1,768.10	518.56
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0029	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	1,885.46	622.27
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0030	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,612.94	622.27
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0031	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,730.15	762.06
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0032	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,857.60	762.06
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0033	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	2,997.33	856.75
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0034	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,110.36	856.75
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0035	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,230.97	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0036	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,360.31	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0037	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,499.83	1,109.27
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0038	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,651.25	1,109.27
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0039	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	3,816.73	1,109.27
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0040	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	3,918.76	1,172.40
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0042	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,124.20	293.10
		For NEMA 3R Panelboard, Add	*786.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0043	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,263.71	293.10
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0044	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,421.66	392.31
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0045	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,587.08	392.31
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0046	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,735.70	482.49
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0047	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,894.62	482.49
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0048	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,044.08	572.67
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0049	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,199.67	572.67
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0050	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,343.11	671.87
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0051	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,508.30	671.87
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0052	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,677.62	775.59
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0053	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,842.76	775.59
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0054	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,175.89	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0055	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,290.46	937.92
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0056	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,482.53	1,041.63
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0057	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,658.45	1,041.63
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0058	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,781.45	1,136.33
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0059	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,958.88	1,136.33
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0060	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,829.26	1,008.26
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0061	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,955.62	1,059.67
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0062	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,156.63	1,116.04
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0063	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,346.25	1,181.42
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0064	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,477.26	1,217.49
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0065	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,690.79	1,291.90
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0067	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,328.14	284.08
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0068	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,469.47	284.08
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0069	EA	50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,636.66	374.27
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0070	EA	50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,865.56	374.27
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0071	EA	100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,215.10	563.65
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0072	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,360.04	563.65
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0073	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,517.53	658.34
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0074	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,649.45	658.34
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0075	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,825.82	762.06
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0076	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,947.84	762.06
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0077	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,142.00	856.75
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0078	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,307.58	856.75
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0079	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,328.68	992.03
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0080	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,517.10	1,046.14
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0081	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,595.47	1,046.14
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0082	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,806.02	1,181.42
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0083	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,955.74	1,181.42
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0084	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,050.20	1,181.42
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0085	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,113.85	1,086.73
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0086	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,318.97	1,149.85
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0087	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,399.76	1,181.42
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0088	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,626.46	1,253.57
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0089	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,775.10	1,289.64
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0090	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,912.37	1,334.74
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0091		480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,262.40	288.59
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0093	EA	100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,445.80	288.59
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0094	EA	100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,621.46	396.82
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0095	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,804.82	396.82
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0096	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,975.56	496.02
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0097	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,155.70	496.02
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0098	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,343.84	599.72
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0099	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,515.95	599.72
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0100	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,705.56	712.46
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0101	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,888.47	712.46
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0102	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,056.32	811.66
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0103	EA	100 Amp Rating,30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,236.45	811.66
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0104	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,623.37	987.52
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0105	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,803.29	987.52
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0106	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,995.10	1,082.22
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0107	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,134.00	1,082.22
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0108	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,347.90	1,194.95
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0109	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,499.40	1,194.95
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0110		480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0111	EA	50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,602.57	306.63
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0112	EA	50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,781.69	333.69
		For NEMA 3R Panelboard, Add	*786.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0113	EA	50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,962.83	414.85
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0114	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,595.88	505.04
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0115	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,780.80	559.14
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0116	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,949.89	604.23
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0117	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,135.63	658.34
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0118	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,314.61	712.46
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0119	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,478.85	757.55
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0120	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,654.62	802.64
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0121	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,844.35	856.75
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0122	EA	100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,051.18	924.39
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0123	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,121.21	1,028.10
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0124	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,319.76	1,091.23
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0125	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,462.49	1,118.29
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0126	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,685.16	1,190.44
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0127	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,841.72	1,235.53
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0128	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,003.85	1,274.31
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0130	EA	100 Amp Rating , 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,816.24	315.65
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0131	EA	100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,127.08	315.65
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0132	EA	100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,432.44	419.36
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0133	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,739.48	419.36
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0134	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	3,049.92	518.56
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0135	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,355.98	518.56
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0136	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,665.43	622.27
		For NEMA 3R Panelboard, Add	*786.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0137	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,974.00	622.27
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0138	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,301.98	730.49
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0139	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,592.79	730.49
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0140	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,894.47	735.00
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0141	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	5,209.22	735.00
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0142	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,744.49	1,019.09
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0143	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	6,060.09	1,019.09
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0144	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	6,325.48	1,073.20
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0145	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	6,661.34	1,145.35
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0146	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	6,938.24	1,145.35
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0147	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	7,300.55	1,253.57
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0149	EA	50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	2,211.98	387.80
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0150	EA	50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,527.83	387.80
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0151	EA	50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,835.52	514.06
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0152	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,405.32	514.06
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,721.38	649.33
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	4,037.11	649.33
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	4,346.07	744.02
		For NEMA 3R Panelboard, Add	*786.28*	
26 24 16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,640.30	744.02
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,946.06	847.73
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,265.77	847.73
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,556.76	937.92
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0160	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,856.49	937.92
		For NEMA 3R Panelboard, Add	*864.69*	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0161	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,767.47	1,109.27
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0162	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	8,103.33	1,109.27
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0163	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	8,380.23	1,212.98
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0164	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	8,742.54	1,212.98
		For NEMA 3R Panelboard, Add	*1,021.41*	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0165	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	9,034.65	1,325.72
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0166	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,839.26	1,325.72
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0167	EA	400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	10,792.13	1,476.33
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0168	EA	600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	13,161.45	1,772.12
		For NEMA 3R Panelboard, Add	*1,063.08*	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	483.46	
26 24 16 00-0173	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	556.90	
26 24 16 00-0174	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	761.11	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0175	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	879.07	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0176	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	995.29	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0177	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,114.35	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0178	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,210.34	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0179	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,325.99	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0180	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,452.35	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0181	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,548.29	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0182	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,692.65	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0184	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	720.00	
26 24 16 00-0185	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	816.84	
26 24 16 00-0186	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,310.93	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0187	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,456.85	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0188	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,594.53	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0189	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,750.68	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0190	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,917.16	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0191	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,066.82	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	970.64	
26 24 16 00-0194	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,038.52	
26 24 16 00-0195	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,231.13	
26 24 16 00-0196	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,346.77	
26 24 16 00-0197	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,454.17	
26 24 16 00-0198	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,663.25	
26 24 16 00-0199	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,753.20	
26 24 16 00-0200	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,863.29	
26 24 16 00-0201	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,032.34	
26 24 16 00-0202	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,124.81	
26 24 16 00-0203	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,260.50	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,201.61	
26 24 16 00-0206	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,292.43	
26 24 16 00-0207	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,870.96	
26 24 16 00-0208	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,005.75	
26 24 16 00-0209	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,135.07	
26 24 16 00-0210	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,279.63	
26 24 16 00-0211	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,440.54	
26 24 16 00-0212	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,588.81	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	545.41	
26 24 16 00-0216	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	641.92	
26 24 16 00-0217	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	723.53	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0218	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	821.13	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0219	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	945.49	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0220	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,047.55	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0221	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,208.20	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0222	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,302.52	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0223	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,406.95	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0224	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,556.41	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0225	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,716.63	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0226	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,027.50	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	843.71	
26 24 16 00-0229	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	951.93	
26 24 16 00-0230	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,096.18	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0231	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,619.91	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0232	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,754.72	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0233	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,882.06	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0234	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,598.90	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0235	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,754.23	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0236	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,882.84	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,032.60	
26 24 16 00-0239	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,123.54	
26 24 16 00-0240	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,199.12	
26 24 16 00-0241	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,291.15	
26 24 16 00-0242	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,413.19	
26 24 16 00-0243	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,506.43	
26 24 16 00-0244	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,757.09	
26 24 16 00-0245	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,845.38	
26 24 16 00-0246	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,944.25	
26 24 16 00-0247	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,136.39	
26 24 16 00-0248	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,285.94	
26 24 16 00-0249	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,596.81	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,325.32	
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,427.52	
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,568.52	
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,179.94	
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,303.61	
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,422.60	
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,614.29	
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,774.44	
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,911.22	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)* Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	778.37	
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	855.39	
26 24 16 00-0264	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,183.01	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0265	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,319.97	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0266	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,438.53	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0267	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,438.70	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0268	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,517.34	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0269	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,649.07	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0270	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,753.07	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0271	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,879.24	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0272	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,053.01	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,589.03	
26 24 16 00-0275	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,639.14	
26 24 16 00-0276	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,779.97	
26 24 16 00-0277	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,876.90	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0278	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,072.46	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0279	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,692.87	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0280	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,813.35	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0281	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,969.23	
		For Door-In-Door (Hinged) Trim Front, Add		*137.92*	
26 24 16 00-0282	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,070.80	
		For Door-In-Door (Hinged) Trim Front, Add		*63.18*	
26 24 16 00-0283	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,236.42	
		For Door-In-Door (Hinged) Trim Front, Add		*107.91*	
26 24 16 00-0284	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,385.80	
		For Door-In-Door (Hinged) Trim Front, Add		*137.92*	

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0286	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,248.85	
26 24 16 00-0287	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,325.87	
26 24 16 00-0288	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,642.35	
26 24 16 00-0289	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,860.05	
26 24 16 00-0290	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,969.33	
26 24 16 00-0291	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,969.51	
26 24 16 00-0292	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,034.22	
26 24 16 00-0293	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,146.00	
26 24 16 00-0294	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,296.40	
26 24 16 00-0295	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,411.22	
26 24 16 00-0296	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,560.62	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,159.74	
26 24 16 00-0299	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,209.85	
26 24 16 00-0300	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,243.49	
26 24 16 00-0301	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,336.25	
26 24 16 00-0302	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,612.54	
26 24 16 00-0303	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,223.67	
26 24 16 00-0304	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,330.23	
26 24 16 00-0305	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,466.16	
26 24 16 00-0306	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,567.73	
26 24 16 00-0307	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,720.62	
26 24 16 00-0308	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,868.07	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		809.92	
26 24 16 00-0312	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		887.40	
26 24 16 00-0313	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		1,027.44	
		For Door-In-Door (Hinged) Trim Front, Add		*63.18*	
26 24 16 00-0314	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		1,229.44	
		For Door-In-Door (Hinged) Trim Front, Add		*63.18*	
26 24 16 00-0315	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		1,367.42	
		For Door-In-Door (Hinged) Trim Front, Add		*107.91*	
26 24 16 00-0316	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		1,485.09	
		For Door-In-Door (Hinged) Trim Front, Add		*137.92*	
26 24 16 00-0317	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled		1,500.04	
		For Door-In-Door (Hinged) Trim Front, Add		*63.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0318	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,593.44	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0319	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,724.16	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0320	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,828.30	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0321	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,955.12	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0322	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,129.57	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,751.43	
26 24 16 00-0325	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,802.00	
26 24 16 00-0326	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,953.10	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0327	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,003.21	
26 24 16 00-0328	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,100.52	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0329	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,295.59	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0330	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,954.69	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0331	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,076.62	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0332	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,230.87	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	
26 24 16 00-0333	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,384.54	
		For Door-In-Door (Hinged) Trim Front, Add	*63.18*	
26 24 16 00-0334	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,551.73	
		For Door-In-Door (Hinged) Trim Front, Add	*107.91*	
26 24 16 00-0335	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,701.03	
		For Door-In-Door (Hinged) Trim Front, Add	*137.92*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,280.40
26 24 16 00-0338	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,357.88
26 24 16 00-0339	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,490.97
26 24 16 00-0340	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,688.78
26 24 16 00-0341	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,907.50
26 24 16 00-0342	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,015.89
26 24 16 00-0343	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,032.24
26 24 16 00-0344	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,110.32
26 24 16 00-0345	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,221.09
26 24 16 00-0346	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,371.63
26 24 16 00-0347	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,486.85
26 24 16 00-0348	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,636.25

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,210.78
26 24 16 00-0351	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,261.35
26 24 16 00-0352	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,493.18
26 24 16 00-0353	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,466.73
26 24 16 00-0354	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,559.87
26 24 16 00-0355	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,835.67
26 24 16 00-0356	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,485.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0357	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,593.50	
26 24 16 00-0358	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,727.79	
26 24 16 00-0359	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,881.47	
26 24 16 00-0360	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,035.67	
26 24 16 00-0361	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,182.65	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,404.66	268.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.03*	
26 24 16 00-0365	EA	400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,637.23	268.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.98*	
26 24 16 00-0366	EA	400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,812.37	268.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.98*	
26 24 16 00-0367	EA	600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,089.80	440.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.36*	
26 24 16 00-0368	EA	600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,225.35	440.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.36*	
26 24 16 00-0369	EA	600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,374.10	440.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.36*	
26 24 16 00-0370	EA	800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,583.29	585.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*351.41*	
26 24 16 00-0371	EA	800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,714.01	587.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.48*	
26 24 16 00-0372	EA	800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,766.82	585.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*351.41*	
26 24 16 00-0373	EA	800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,196.88	585.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*351.41*	
26 24 16 00-0374	EA	1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,186.19	881.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*528.73*	
26 24 16 00-0375	EA	1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,478.89	881.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*528.73*	
26 24 16 00-0376	EA	1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,718.21	881.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*528.73*	
26 24 16 00-0377	EA	1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,010.31	881.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*528.73*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,673.75	274.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.42*	
26 24 16 00-0380	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,501.91	310.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.51*	
26 24 16 00-0381	EA	400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,671.06	310.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.51*	
26 24 16 00-0382	EA	400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,168.89	310.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.51*	
26 24 16 00-0383	EA	600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,454.60	509.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.74*	
26 24 16 00-0384	EA	600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,734.42	510.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*306.55*	
26 24 16 00-0385	EA	600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,964.43	509.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0386	EA	800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,902.74	681.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.73*	
26 24 16 00-0387	EA	800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,233.22	678.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*407.29*	
26 24 16 00-0388	EA	800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,563.11	678.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*407.29*	

26 24 16 00-0389 Branch Circuit Breakers *(26 24 16 00-0001)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0391	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.11	16.23
		For Bolt-On, Add	*11.58*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0392	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.11	16.23
		For Bolt-On, Add	*11.58*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0393	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	59.03	20.29
		For Bolt-On, Add	*15.27*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0394	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	81.19	19.84
		For Bolt-On, Add	*17.72*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0395	EA	1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	108.59	19.84
		For Bolt-On, Add	*21.15*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0396	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	124.21	19.84
		For Bolt-On, Add	*23.10*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0397	EA	1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	66.09	19.84
		For Bolt-On, Add	*15.84*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0398	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	68.05	24.35
		For Bolt-On, Add	*17.98*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0399	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	68.05	24.35
		For Bolt-On, Add	*17.98*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0400	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	100.03	32.47
		For Bolt-On, Add	*25.13*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0401	EA	2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	157.57	40.58
		For Bolt-On, Add	*35.48*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0402	EA	2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	183.76	45.09
		For Bolt-On, Add	*40.33*	
		For Installation In New Panelboard, Deduct	*-24.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.76*	
26 24 16 00-0403	EA	2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	150.52	28.86
		For Bolt-On, Add	*30.18*	
		For Installation In New Panelboard, Deduct	*-16.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0404	EA	2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	195.34	28.86
		For Bolt-On, Add	*35.78*	
		For Installation In New Panelboard, Deduct	*-16.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 24 16 00-0405	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	120.93	32.47
		For Bolt-On, Add	*27.74*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0406	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	120.93	32.47
		For Bolt-On, Add	*27.74*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0407	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	157.30	40.58
		For Bolt-On, Add	*35.45*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0408	EA	3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	230.14	48.70
		For Bolt-On, Add	*47.71*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0409	EA	3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	290.35	56.82
		For Bolt-On, Add	*58.39*	
		For Installation In New Panelboard, Deduct	*-31.57*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	

26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0411	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	56.31	16.23
		For Bolt-On, Add	*13.35*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0412	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	56.31	16.23
		For Bolt-On, Add	*13.35*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0413	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	95.32	20.29
		For Bolt-On, Add	*19.81*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0414	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	139.59	19.84
		For Bolt-On, Add	*25.02*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0415	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.42	24.35
		For Bolt-On, Add	*22.65*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0416	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.42	24.35
		For Bolt-On, Add	*22.65*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0417	EA	2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	198.23	32.47
		For Bolt-On, Add	*37.41*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0418	EA	2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	267.85	40.58
		For Bolt-On, Add	*49.26*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0419	EA	2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	384.49	45.09
		For Bolt-On, Add	*65.42*	
		For Installation In New Panelboard, Deduct	*-24.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.76*	
26 24 16 00-0420	EA	3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	164.30	32.47
		For Bolt-On, Add	*33.16*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421	EA	3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	164.30	32.47
		For Bolt-On, Add	*33.16*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0422	EA	3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	240.88	40.58
		For Bolt-On, Add	*45.89*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0423	EA	3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	337.20	48.70
		For Bolt-On, Add	*61.09*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0424	EA	3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	510.86	56.82
		For Bolt-On, Add	*85.95*	
		For Installation In New Panelboard, Deduct	*-31.57*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	
26 24 16 00-0425	EA	3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	586.70	60.88
		For Bolt-On, Add	*97.01*	
		For Installation In New Panelboard, Deduct	*-33.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 24 16 00-0426	EA	3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	630.02	64.93
		For Bolt-On, Add	*104.01*	
		For Installation In New Panelboard, Deduct	*-36.08*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.29*	
26 24 16 00-0427	EA	3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	740.76	68.99
		For Bolt-On, Add	*119.43*	
		For Installation In New Panelboard, Deduct	*-38.33*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.00*	

26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0429	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	65.64	16.23
		For Bolt-On, Add	*14.52*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0430	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	65.64	16.23
		For Bolt-On, Add	*14.52*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0431	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	104.54	20.29
		For Bolt-On, Add	*20.96*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0432	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	129.74	24.35
		For Bolt-On, Add	*25.69*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0433	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	129.74	24.35
		For Bolt-On, Add	*25.69*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0434	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	221.55	32.47
		For Bolt-On, Add	*40.32*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0435	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	542.74	40.58
		For Bolt-On, Add	*83.63*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0436	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	204.43	32.47
		For Bolt-On, Add	*38.18*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0437	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	204.43	32.47
		For Bolt-On, Add	*38.18*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0438	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	270.09	40.58
		For Bolt-On, Add	*49.54*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0439	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	670.95	48.70
		For Bolt-On, Add	*102.81*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	

26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0441	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	73.56	16.23
		For Bolt-On, Add	*15.51*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0442	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	73.56	16.23
		For Bolt-On, Add	*15.51*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0443	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	87.39	20.29
		For Bolt-On, Add	*18.81*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0444	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	138.53	19.84
		For Bolt-On, Add	*24.89*	
		For Installation In New Panelboard, Deduct	*-10.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 24 16 00-0445	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	150.41	24.35
		For Bolt-On, Add	*28.27*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0446	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	150.41	24.35
		For Bolt-On, Add	*28.27*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0447	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	184.10	32.47
		For Bolt-On, Add	*35.64*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0448	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	261.81	40.58
		For Bolt-On, Add	*48.51*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0449	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	334.11	45.09
		For Bolt-On, Add	*59.12*	
		For Installation In New Panelboard, Deduct	*-24.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.76*	
26 24 16 00-0450	EA	2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	415.43	52.76
		For Bolt-On, Add	*72.45*	
		For Installation In New Panelboard, Deduct	*-29.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.17*	
26 24 16 00-0451	EA	2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	450.50	60.88
		For Bolt-On, Add	*79.99*	
		For Installation In New Panelboard, Deduct	*-33.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 24 16 00-0452	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	184.44	32.47
		For Bolt-On, Add	*35.68*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0453	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	184.44	32.47
		For Bolt-On, Add	*35.68*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0454	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	217.79	40.58
		For Bolt-On, Add	*43.01*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0455	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	323.52	48.70
		For Bolt-On, Add	*59.38*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0456	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	424.05	63.13
		For Bolt-On, Add	*77.47*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	
26 24 16 00-0457	EA	3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	521.22	73.05
		For Bolt-On, Add	*93.56*	
		For Installation In New Panelboard, Deduct	*-40.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 24 16 00-0458	EA	3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	553.98	77.56
		For Bolt-On, Add	*99.23*	
		For Installation In New Panelboard, Deduct	*-42.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.41*	

26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0460	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	155.57	24.35
		For Bolt-On, Add	*28.92*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0461	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	155.57	24.35
		For Bolt-On, Add	*28.92*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0462	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	234.02	32.47
		For Bolt-On, Add	*41.88*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0463	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	373.37	40.58
		For Bolt-On, Add	*62.45*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0464	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	574.65	50.50
		For Bolt-On, Add	*91.56*	
		For Installation In New Panelboard, Deduct	*-28.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.82*	
26 24 16 00-0465	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	648.73	52.76
		For Bolt-On, Add	*101.61*	
		For Installation In New Panelboard, Deduct	*-29.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.17*	
26 24 16 00-0466	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	710.66	60.88
		For Bolt-On, Add	*112.51*	
		For Installation In New Panelboard, Deduct	*-33.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 24 16 00-0467	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	222.17	32.47
		For Bolt-On, Add	*40.40*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0468	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	222.17	32.47
		For Bolt-On, Add	*40.40*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0469	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	279.69	40.58
		For Bolt-On, Add	*50.74*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0470	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	463.47	48.70
		For Bolt-On, Add	*76.87*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0471	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	672.77	63.13
		For Bolt-On, Add	*108.56*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0472	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	793.99	73.05
		For Bolt-On, Add	*127.66*	
		For Installation In New Panelboard, Deduct	*-40.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 24 16 00-0473	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	857.95	77.56
		For Bolt-On, Add	*137.23*	
		For Installation In New Panelboard, Deduct	*-42.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.41*	

26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0475	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	160.71	24.35
		For Bolt-On, Add	*29.56*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0476	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	160.71	24.35
		For Bolt-On, Add	*29.56*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0477	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	281.39	32.47
		For Bolt-On, Add	*47.80*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0478	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	504.73	40.58
		For Bolt-On, Add	*78.87*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0479	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	791.79	50.50
		For Bolt-On, Add	*118.70*	
		For Installation In New Panelboard, Deduct	*-28.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.82*	
26 24 16 00-0480	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	898.47	52.76
		For Bolt-On, Add	*132.83*	
		For Installation In New Panelboard, Deduct	*-29.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.17*	
26 24 16 00-0481	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	980.15	60.88
		For Bolt-On, Add	*146.19*	
		For Installation In New Panelboard, Deduct	*-33.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 24 16 00-0482	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	257.71	32.47
		For Bolt-On, Add	*44.84*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0483	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	257.71	32.47
		For Bolt-On, Add	*44.84*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0484	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	341.28	40.58
		For Bolt-On, Add	*58.44*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0485	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	613.56	48.70
		For Bolt-On, Add	*95.63*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0486	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	775.95	63.13
		For Bolt-On, Add	*121.46*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	
26 24 16 00-0487	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,222.77	73.05
		For Bolt-On, Add	*181.25*	
		For Installation In New Panelboard, Deduct	*-40.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.70*	
26 24 16 00-0488	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,301.91	77.56
		For Bolt-On, Add	*192.73*	
		For Installation In New Panelboard, Deduct	*-42.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489		Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0490	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	86.49	16.23
		For Bolt-On, Add	*17.12*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0491	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	86.49	16.23
		For Bolt-On, Add	*17.12*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0492	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	145.31	20.29
		For Bolt-On, Add	*26.05*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0493	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	181.72	24.35
		For Bolt-On, Add	*32.18*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0494	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	181.72	24.35
		For Bolt-On, Add	*32.18*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0495	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	324.88	32.47
		For Bolt-On, Add	*53.24*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0496	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	591.59	40.58
		For Bolt-On, Add	*89.73*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0497	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,134.85	50.50
		For Bolt-On, Add	*161.58*	
		For Installation In New Panelboard, Deduct	*-28.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.82*	
26 24 16 00-0498	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	295.62	32.47
		For Bolt-On, Add	*49.58*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0499	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	295.62	32.47
		For Bolt-On, Add	*49.58*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0500	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	393.96	40.58
		For Bolt-On, Add	*65.03*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0501	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	728.06	48.70
		For Bolt-On, Add	*109.95*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0502	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,410.91	63.13
		For Bolt-On, Add	*200.83*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	
26 24 16 00-0503		Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0504	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	122.93	16.23
		For Bolt-On, Add	*21.68*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0505	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	122.93	16.23
		For Bolt-On, Add	*21.68*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0506	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	184.06	20.29
		For Bolt-On, Add	*30.90*	
		For Installation In New Panelboard, Deduct	*-11.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 24 16 00-0507	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	223.87	24.35
		For Bolt-On, Add	*37.45*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0508	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	223.87	24.35
		For Bolt-On, Add	*37.45*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0509	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	415.63	32.47
		For Bolt-On, Add	*64.58*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0510	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	745.56	40.58
		For Bolt-On, Add	*108.98*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0511	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,469.16	45.09
		For Bolt-On, Add	*201.01*	
		For Installation In New Panelboard, Deduct	*-24.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.76*	
26 24 16 00-0512	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	380.09	32.47
		For Bolt-On, Add	*60.14*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0513	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	380.09	32.47
		For Bolt-On, Add	*60.14*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0514	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	524.47	40.58
		For Bolt-On, Add	*81.34*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0515	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	842.55	48.70
		For Bolt-On, Add	*124.26*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0516	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,857.17	63.13
		For Bolt-On, Add	*256.61*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	

26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0518	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	60.04	16.23
		For Bolt-On, Add	*13.82*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0519	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	121.65	24.35
		For Bolt-On, Add	*24.68*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0520	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	189.80	32.47
		For Bolt-On, Add	*36.35*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0521	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	116.68	16.23
		For Bolt-On, Add	*20.90*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0522	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	116.68	16.23
		For Bolt-On, Add	*20.90*	
		For Installation In New Panelboard, Deduct	*-9.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0523	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	232.44	32.47
		For Bolt-On, Add	*41.68*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0524	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	258.60	24.35
		For Bolt-On, Add	*41.79*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0525	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	258.60	24.35
		For Bolt-On, Add	*41.79*	
		For Installation In New Panelboard, Deduct	*-13.53*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0526	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	493.88	32.47
		For Bolt-On, Add	*74.36*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0527	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	832.41	40.58
		For Bolt-On, Add	*119.83*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0528	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,816.78	50.50
		For Bolt-On, Add	*246.83*	
		For Installation In New Panelboard, Deduct	*-28.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.82*	
26 24 16 00-0529	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	429.77	32.47
		For Bolt-On, Add	*66.35*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0530	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	429.77	32.47
		For Bolt-On, Add	*66.35*	
		For Installation In New Panelboard, Deduct	*-18.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0531	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	596.58	40.58
		For Bolt-On, Add	*90.36*	
		For Installation In New Panelboard, Deduct	*-22.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0532	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	905.72	48.70
		For Bolt-On, Add	*132.15*	
		For Installation In New Panelboard, Deduct	*-27.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 24 16 00-0533	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,259.04	63.13
		For Bolt-On, Add	*306.84*	
		For Installation In New Panelboard, Deduct	*-34.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.94*	

26 24 16 00-0534 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

26 24 16 00-0535 Residential Type Unassembled Load Center *(26 24 16 00-0534)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase *(26 24 16 00-0535)*

26 24 16 00-0537	EA	30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	119.53	45.09
26 24 16 00-0538	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	404.34	180.37
26 24 16 00-0539	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	609.32	257.48
26 24 16 00-0540	EA	125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,301.33	541.19
26 24 16 00-0541	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,422.48	586.20

26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC *(26 24 16 00-0535)*

Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.

26 24 16 00-0543	EA	60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	164.89	49.60
26 24 16 00-0544	EA	125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	291.04	54.11

26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof *(26 24 16 00-0535)*

26 24 16 00-0546	EA	40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	167.58	49.60
26 24 16 00-0547	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	186.77	54.11
26 24 16 00-0548	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	663.09	257.48
26 24 16 00-0549	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,504.31	586.20

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0550		**Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551	EA	60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	205.81	49.60
26 24 16 00-0552	EA	125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	1,451.07	541.19
26 24 16 00-0553		**Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase** *(26 24 16 00-0535)*		
26 24 16 00-0554	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,556.16	541.19
26 24 16 00-0555	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,689.00	586.20
26 24 16 00-0556	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	5,795.12	901.84
26 24 16 00-0557		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,235.07	541.19
26 24 16 00-0559	EA	150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,437.47	586.20
26 24 16 00-0560	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	6,366.37	901.84
26 24 16 00-0561		**Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof** *(26 24 16 00-0535)*		
26 24 16 00-0562	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,632.14	541.19
26 24 16 00-0563	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,818.75	586.20
26 24 16 00-0564		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,361.08	541.19
26 24 16 00-0566	EA	155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,451.14	586.20
26 24 16 00-0567		**Residential Type Assembled Load Center** *(26 24 16 00-0534)*		
26 24 16 00-0568		**Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase** *(26 24 16 00-0567)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569	EA	100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	609.67	257.48
26 24 16 00-0570	EA	100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	740.65	300.77
26 24 16 00-0571	EA	100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	622.53	257.48
26 24 16 00-0572	EA	100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	744.16	300.77
26 24 16 00-0573	EA	200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,075.31	400.87
26 24 16 00-0574	EA	200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,269.71	481.14
26 24 16 00-0575	EA	200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,452.60	555.08
26 24 16 00-0576	EA	200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,599.26	600.90
26 24 16 00-0577	EA	200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,394.00	901.84
26 24 16 00-0578	EA	200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,120.90	400.87
26 24 16 00-0579	EA	200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,312.96	481.14
26 24 16 00-0580	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,495.85	555.08
26 24 16 00-0581	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,640.17	600.90
26 24 16 00-0582	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,528.43	901.84
26 24 16 00-0583	EA	400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,933.40	1,002.04
26 24 16 00-0584	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	3,073.67	1,002.04
26 24 16 00-0585		**Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V** *(26 24 16 00-0567)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586	EA	125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	806.11	300.77
26 24 16 00-0587	EA	125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,202.25	450.93
26 24 16 00-0588	EA	125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	844.69	300.77
26 24 16 00-0589	EA	125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,237.32	450.93
26 24 16 00-0590	EA	200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,519.23	555.08
26 24 16 00-0591	EA	200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,658.34	601.26
26 24 16 00-0592	EA	200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,027.88	721.74
26 24 16 00-0593	EA	200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,440.76	901.84
26 24 16 00-0594	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,560.14	555.08
26 24 16 00-0595	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,704.46	600.90
26 24 16 00-0596	EA	200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,184.77	721.20
26 24 16 00-0597	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,598.56	901.84
26 24 16 00-0598	EA	400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,968.47	1,002.04
26 24 16 00-0599	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,108.74	1,002.04

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0600		Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601	EA	125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	801.44	300.77
26 24 16 00-0602	EA	125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,185.89	450.93
26 24 16 00-0603	EA	200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,365.56	481.14
26 24 16 00-0604	EA	200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,566.52	555.35
26 24 16 00-0605	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,722.63	601.26
26 24 16 00-0606	EA	200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,281.55	801.74
26 24 16 00-0607	EA	200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,377.25	481.14
26 24 16 00-0608	EA	200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,589.36	555.08
26 24 16 00-0609	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,727.84	600.90
26 24 16 00-0610	EA	200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,217.26	801.74
26 24 16 00-0611	EA	400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,137.40	1,002.04
26 24 16 00-0612	EA	400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,371.18	1,002.04
26 24 16 00-0613		Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,049.93	601.26
26 24 16 00-0615	EA	200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,814.81	901.84
26 24 16 00-0616	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,119.43	600.90
26 24 16 00-0617	EA	200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,884.95	901.84
26 24 16 00-0618		Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*		
26 24 16 00-0619		Midget Finger-Safe Fuse Holders *(26 24 16 00-0618)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620	EA	1 Pole Midget Finger-Safe Fuse Holder	51.12	16.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0621	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	58.25	16.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0622	EA	2 Pole Midget Finger-Safe Fuse Holder	81.22	24.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0623	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	99.82	24.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 24 16 00-0624	EA	3 Pole Midget Finger-Safe Fuse Holder	117.08	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0625	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	141.79	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0626	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	162.47	32.47
		Note: With indicators.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0627	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	135.06	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.65*	
26 24 16 00-0628	EA	4 Pole Midget Finger-Safe Fuse Holder	147.25	40.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0629	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	174.39	40.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.06*	
26 24 16 00-0630	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	58.27	16.23
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0631	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	62.06	16.23
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0632	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	58.97	16.23
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 24 16 00-0633		Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*		
		Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,132.02	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.19*	
26 24 16 00-0635	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	59.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.59*	
26 24 16 00-0636	EA	Panelboard Filler Plate, Fits 1" Opening	4.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.85*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001		Combination Starters With Molded Case Circuit Breakers *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	1,922.70	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,278.47	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,395.45	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	6,162.59	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	12,423.27	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	20,906.76	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,922.70	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,278.47	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	3,395.45	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	6,162.59	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	12,423.27	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	20,906.76	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,790.57	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	3,721.85	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	5,338.96	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	9,347.23	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	18,408.26	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	31,729.39	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	2,790.57	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	3,721.85	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	5,338.96	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	9,347.23	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	18,408.26	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	31,729.39	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,391.46	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	4,669.31	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	6,881.21	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	12,308.01	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	20,399.05	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,391.46	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	4,669.31	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	6,881.21	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	12,308.01	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	20,399.05	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,925.06	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	5,845.56	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,005.09	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	15,045.38	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,073.83	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,925.06	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,845.56	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,005.09	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,045.38	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,073.83	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	5,808.79	86.57
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	8,897.75	94.81
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	15,003.09	107.18
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	23,212.80	123.67
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	39,716.73	164.90
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	5,808.79	86.57
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	8,897.75	94.81
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	15,003.09	107.18
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	23,212.80	123.67
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	39,716.73	164.90
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,959.62	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,116.95	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	9,007.53	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	15,360.93	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	21,104.66	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,959.62	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,116.95	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	9,007.53	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	15,360.93	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	21,104.66	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	16,406.02	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	17,402.41	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	19,216.15	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	29,100.92	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	39,690.70	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,864.90	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	

26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	16,406.02	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	17,402.41	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	19,216.15	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	29,100.92	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	39,690.70	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	53,864.90	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,575.44	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	2,931.21	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	4,537.29	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,367.20	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	14,986.42	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	24,431.56	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	2,575.44	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	2,931.21	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	4,537.29	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	8,367.20	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	14,986.42	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	24,431.56	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,437.80	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,361.72	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,455.06	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,522.42	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,919.93	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,437.80	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	4,361.72	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,455.06	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,522.42	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,919.93	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,027.65	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,296.31	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	7,978.92	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	14,457.46	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,890.50	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,027.65	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,296.31	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	7,978.92	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	14,457.46	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	22,890.50	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,643.70	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,552.20	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,196.21	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,276.26	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,647.56	189.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.78*	
26 24 19 00-0137		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,643.70	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,552.20	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,196.21	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,276.26	160.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,647.56	189.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.78*	
26 24 19 00-0143		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	6,426.59	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	10,354.00	94.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.89*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	17,505.57	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	26,524.31	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	43,646.05	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	6,426.59	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	10,354.00	94.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.89*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	17,505.57	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	26,524.31	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	43,646.05	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	4,595.81	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	5,740.27	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	10,097.89	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	17,894.67	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	26,403.81	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	4,595.81	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	5,740.27	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	10,097.89	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	17,894.67	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	26,403.81	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	16,933.73	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	17,924.60	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	19,719.96	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	29,518.31	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	40,014.31	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	56,084.22	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	16,933.77	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	17,924.60	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	19,719.96	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	29,518.31	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	40,014.31	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	56,084.22	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,709.41	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,361.21	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,987.51	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	7,039.65	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	11,434.04	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	20,401.12	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,709.41	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,361.21	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,987.51	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	7,039.65	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	11,434.04	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	20,401.12	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,766.67	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,126.37	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	6,607.67	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	10,774.06	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	16,580.58	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	28,189.88	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,766.67	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,126.37	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	6,607.67	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	10,774.06	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	16,580.58	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	28,189.88	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,237.01	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,456.02	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	7,019.11	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,547.04	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,996.38	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	

26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,237.01	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,456.02	140.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.10*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	7,019.11	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.04*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,547.04	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,996.38	197.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.73*	

26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,700.73	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,646.98	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,133.80	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,402.35	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	

26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,700.73	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,646.98	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,133.80	90.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.42*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,402.35	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	

26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Auto-transformer.

26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	5,608.37	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	9,907.20	94.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.89*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	16,510.83	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,047.06	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	37,043.25	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	

26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Auto-transformer.

26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	5,608.37	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	9,907.20	94.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	16,510.83	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,047.06	123.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.21*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	37,043.25	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,983.52	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,275.07	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	8,404.44	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	16,763.86	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,983.52	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,275.07	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	8,404.44	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	16,763.86	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,404.18	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,402.41	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,216.15	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,100.92	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,690.70	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,864.90	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,404.18	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.31*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,402.41	131.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.15*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,216.15	152.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.52*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,100.92	169.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.41*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,690.70	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,864.90	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.31*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)*		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard	96.55	
26 24 19 00-0271	EA	Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	286.84	
26 24 19 00-0272	EA	Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03	
26 24 19 00-0273	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97	
26 24 19 00-0274	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0275	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	60.68	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	51.48	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	33.69	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	41.65	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	81.46	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	41.65	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	47.78	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	57.58	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	67.99	
26 24 19 00-0285	EA	Blank Devices Panel	12.86	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	20.21	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	193.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	176.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	238.88	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	20.21	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	28.79	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	20.21	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	28.79	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	28.79	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	41.65	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	103.51	
26 24 19 00-0297	EA	Heater Module	40.85	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	253.75	
26 24 19 00-0299	EA	JAM - Jam Protection Module	290.89	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	552.07	
26 24 19 00-0301	EA	ULM - Underload Module	264.89	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	58.18	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	108.93	
26 24 19 00-0304	EA	Type SIS Control Wire	45.80	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	58.18	
26 24 19 00-0306	EA	Ring Terminals Power	58.18	
26 24 19 00-0307	EA	14 Gauge Control Wire	45.80	
26 24 19 00-0308	EA	Wiremakers	58.18	
26 24 19 00-0309	EA	Wiring Diagram On Door	34.66	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	42.09	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	330.50	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,055.86	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,188.30	

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole	288.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole	344.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole	408.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole	457.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer	371.92	
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer	969.15	
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch	1,219.81	
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch	342.05	
26 24 19 00-0323	EA	Control Relays, Phase Voltage	581.85	
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator	814.41	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt	79.63	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay	2,361.76	
26 24 19 00-0327	EA	Control Relays, UV-Relay	2,000.31	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay	2,000.31	
26 24 19 00-0329	EA	Control Relays, Teleductor	599.95	
26 24 19 00-0330	EA	Control Relays, Current Transducer	1,613.44	
26 24 19 00-0331	EA	Control Relays, Watt Transducer	3,226.89	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	109.49	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	163.79	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	184.60	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	205.41	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	184.60	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	205.41	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	216.27	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip	235.40	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch	81.31	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock	292.44	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault	1,348.11	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker	780.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345		**Incoming Line And Feeder Circuit Breakers** *(26 24 19 00-0268)*		
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,015.78	53.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,757.09	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,688.03	53.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,427.93	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	3,112.92	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	1,936.80	107.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	3,127.97	115.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.27*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	4,125.01	148.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.00*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	4,865.03	226.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.08*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	6,895.10	342.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.46*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	15,043.36	453.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*271.85*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	22,452.20	568.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.01*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	37,388.66	659.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*396.09*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,218.16	53.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	1,953.81	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,218.16	53.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	1,953.81	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	2,063.08	53.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	2,827.04	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	3,503.54	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	1,856.16	82.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	4,706.52	226.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.08*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	4,706.52	226.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.08*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	6,325.42	247.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.34*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	7,893.88	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.07*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	9,085.95	342.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.46*	
26 24 19 00-0372		**Incoming Line And Feeder Fusible Switches** *(26 24 19 00-0268)*		
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,038.80	82.44
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,582.20	82.44
26 24 19 00-0375	EA	Incoming Line And Feeder Fusible Switches, 100 Amps	1,760.09	103.06
26 24 19 00-0376	EA	Incoming Line And Feeder Fusible Switches, 200 Amps	2,850.09	123.67
26 24 19 00-0377	EA	Incoming Line And Feeder Fusible Switches, 400 Amps	5,593.78	156.65
26 24 19 00-0378	EA	Incoming Line And Feeder Fusible Switches, 600 Amps	7,842.45	206.12
26 24 19 00-0379	EA	Incoming Line And Feeder Fusible Switches, 800 Amps	19,011.49	276.20
26 24 19 00-0380	EA	Incoming Line And Feeder Fusible Switches, 1,200 Amps	21,469.57	383.39
26 24 19 00-0381		**Dry Type Distribution Transformers** *(26 24 19 00-0268)*		
26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	965.22	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	996.36	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,028.91	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,180.34	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	1,279.41	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	1,328.18	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	1,740.79	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	1,961.58	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	4,560.03	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	2,420.13	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	3,352.79	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	5,225.21	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	4,838.84	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	6,705.59	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	6,350.01	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	8,795.93	
26 24 19 00-0398		**Metering Equipment** *(26 24 19 00-0268)*		
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	197.23	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	431.21	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	177.63	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	431.21	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	239.49	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	254.19	
26 24 19 00-0405	EA	Add For Additional Circuits	68.08	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	889.37	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	931.64	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	821.38	
26 24 19 00-0409	EA	Add For Demand Attachment	445.61	
26 24 19 00-0410	EA	Metering Equipment, Current Transformer, 800 Amp	245.62	
26 24 19 00-0411	EA	Metering Equipment, Current Transformer, 1,000 Amp	423.86	
26 24 19 00-0412	EA	Metering Equipment, Current Transformer, 2,000 Amp	493.69	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	411.61	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	442.85	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	338.72	
26 24 19 00-0416		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0417	EA	Current Limiting Reactors, 600 Amps	17,468.77	
26 24 19 00-0418	EA	Current Limiting Reactors, 800 Amps	25,439.62	
26 24 19 00-0419	EA	Current Limiting Reactors, 1,000 Amps	33,428.86	
26 24 19 00-0420	EA	Current Limiting Reactors, 1,200 Amps	50,884.90	
26 24 19 00-0421		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	399.00	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	911.24	
26 24 19 00-0439	EA	Throat And Transition To Substation	1,759.13	
26 24 19 00-0440	EA	Service Entrance Label	380.96	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	796.32	
26 24 19 00-0442	EA	600 Ampere Sub Feed Lugs On Main Bus	295.84	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	251.56	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	251.56	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	778.22	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	877.76	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	75.11	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	202.70	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	42.53	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	182.79	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	360.20	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	182.79	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	232.71	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	3,319.83	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	3,837.24	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	3,840.95	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	494.67	247.34
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	742.00	371.02
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	824.48	412.24
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	989.46	494.69
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	82.44	41.23
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	494.67	247.34
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	742.00	371.02
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	824.48	412.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	989.46	494.69
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	82.44	41.23
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps	577.15	288.57
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps	742.00	371.02
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps	989.46	494.69
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps	1,154.13	577.05
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	123.67	61.84
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps	659.59	329.79
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps	907.00	453.46
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps	1,154.13	577.05
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps	1,318.94	659.50
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	164.90	82.44
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps	659.59	329.79
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps	989.46	494.69
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps	1,236.59	618.28
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps	1,401.71	700.90
26 24 19 00-0483	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps	164.90	82.44

26 24 19 00-0484 Motor Control Centers *(26 24 19)*

26 24 19 00-0485 2.4 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	12,614.53	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	12,614.53	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	12,614.53	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	12,655.78	185.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.31*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	13,440.83	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	13,482.04	226.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.04*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	13,523.26	247.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	13,605.74	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.15*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	13,688.18	329.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.88*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	23,042.37	371.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	24,732.77	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	18,712.57	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	19,494.69	177.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.36*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	22,146.91	193.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.25*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	24,651.12	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	26,820.92	239.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.47*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	29,385.97	255.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.36*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	31,949.48	272.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.24*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	34,990.92	296.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.09*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	40,717.61	329.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.88*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	44,114.46	350.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.26*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	67,364.95	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	71,775.31	453.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.10*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	75,614.57	494.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*296.84*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	82,336.14	536.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.60*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	17,656.16	164.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.94*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	17,697.41	185.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.31*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	17,738.61	206.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.67*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	17,779.82	226.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.04*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	17,824.04	247.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	17,865.30	267.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	17,906.52	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.15*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	18,071.37	371.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	30,781.22	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	30,863.74	453.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.10*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	32,545.09	494.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*296.84*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	6,942.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	7,152.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	10,946.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	13,733.64	247.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	13,774.90	267.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.78*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	13,816.12	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.15*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	13,857.36	309.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.52*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	14,634.89	329.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.88*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	14,676.16	350.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.26*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	14,717.30	371.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	14,758.60	391.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.99*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	14,799.78	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	25,062.95	536.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.60*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	25,145.07	577.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*346.24*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	26,827.92	618.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*370.98*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	26,910.27	659.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.68*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	19,090.84	247.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	19,342.48	267.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.78*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	22,554.44	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.15*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	25,067.66	309.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.52*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	27,212.66	329.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.88*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	29,786.02	350.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.26*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	32,201.46	371.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	35,390.96	391.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.99*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	40,992.20	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	44,799.26	432.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.72*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	48,647.55	474.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.46*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	51,828.00	494.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*296.84*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	54,828.00	515.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.18*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	59,024.43	536.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.60*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	93,548.42	659.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.68*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	104,030.02	700.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*420.51*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	125,037.69	742.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.20*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	132,258.27	742.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.20*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	18,854.74	288.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.15*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	18,895.98	309.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.52*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	18,937.18	329.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.88*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	18,978.45	350.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.26*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	20,603.46	371.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	20,644.76	391.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.99*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	20,685.94	412.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.34*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	20,727.18	432.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.72*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	20,768.46	453.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.10*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	21,015.59	577.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*346.24*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	33,935.79	618.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*370.98*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	35,611.03	659.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.68*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	35,611.03	659.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.68*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	8,457.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	8,714.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	13,357.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.47*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp	10,994.29	164.90
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	13,201.97	247.34
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	4,341.19	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	162.54	12.37
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,257.68	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	674.81	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,009.71	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	128.71	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	426.58	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	128.71	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	389.81	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,037.03	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,037.03	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,101.90	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,138.42	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	414.55	12.37
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	2,991.27	41.23
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	5,726.51	20.61
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,090.94	20.61
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	2,739.27	12.37
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	3,957.00	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	362.96	41.23
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	267.95	41.23

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	952.92	247.11
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,652.89	437.40
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,971.71	560.04
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,167.83	901.84
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,730.50	992.03
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,833.48	1,100.25
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	5,624.38	1,289.64
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	9,802.20	1,502.48

26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	747.78	315.65
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	811.63	315.65
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	1,135.41	496.02
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	2,817.92	901.84
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	4,290.13	1,307.68
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	6,133.38	1,803.69

26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	5,168.30	436.41
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	10,999.19	560.58
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	11,398.10	873.17
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	16,223.25	873.17
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	23,502.47	987.97
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section	4,483.23	436.95
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section	6,193.38	560.85
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section	12,116.53	873.89
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section	14,095.90	873.89
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section	19,870.91	988.87
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	796.52	183.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.38*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	926.90	183.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.62*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,346.30	259.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.49*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,195.12	341.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.97*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	3,939.10	427.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	754.36	159.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	880.03	159.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.56*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,290.47	230.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.74*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,138.18	312.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.88*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	3,893.18	399.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.43*	

26 24 19 00-0638 Class I, Type C *(26 24 19 00-0625)*

26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	795.53	147.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.69*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	929.21	147.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.94*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,381.02	220.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.62*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,233.86	305.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.30*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	3,982.19	392.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.86*	

26 24 19 00-0644 Class II, Type B *(26 24 19 00-0625)*

26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	797.79	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.88*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,101.93	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.32*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,561.27	292.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.78*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,548.27	374.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.46*	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	4,594.43	457.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.95*	

26 24 19 00-0650 Class II, Type C *(26 24 19 00-0625)*

26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	995.00	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.66*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,142.33	207.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.58*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,656.35	283.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.52*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,637.33	365.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.90*	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	4,695.99	450.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*271.64*	

26 24 19 00-0656 Fused Disconnect Combination Starter *(26 24 19 00-0484)*

26 24 19 00-0657 Class I, Type A *(26 24 19 00-0656)*

26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	727.30	168.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.56*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,095.31	230.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.32*	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,737.23	300.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.37*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,377.10	421.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*253.33*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	4,153.20	536.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*322.09*	

26 24 19 00-0663 Class I, Type B *(26 24 19 00-0656)*

26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	739.45	150.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.19*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	996.09	206.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.88*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,472.21	275.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.78*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,459.26	398.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.85*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	4,222.97	506.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*304.68*	

26 24 19 00-0669 Class I, Type C *(26 24 19 00-0656)*

26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	781.58	140.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.44*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,050.79	191.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,598.46	266.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.04*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,584.67	392.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.86*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	3,996.05	501.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*300.62*	
26 24 19 00-0675		**Class II, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	933.91	211.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.66*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,205.91	263.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.67*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,746.19	339.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	2,837.95	457.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.95*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	4,854.47	570.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.61*	
26 24 19 00-0681		**Class II, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	968.51	198.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.66*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,260.29	248.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.31*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	1,851.59	323.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.36*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	2,950.70	446.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.41*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	4,963.04	552.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.56*	
26 24 19 00-0687		**Space Complete With Bus And Hardware** *(26 24 19 00-0484)*		
26 24 19 00-0688		**Circuit Breaker Type** *(26 24 19 00-0687)*		
26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	224.87	61.33
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	224.87	61.33
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	334.18	89.28
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	396.64	117.24
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	665.85	178.57
26 24 19 00-0694		**Fused Disconnect Type** *(26 24 19 00-0687)*		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	224.87	61.33
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	298.15	89.28
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	414.28	117.24
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	715.05	178.57
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	996.79	259.73
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	102.67	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	102.67	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	155.66	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	155.66	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	309.67	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,618.35	474.65
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	4,386.88	1,236.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway)	4,386.88	1,236.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	4,838.06	1,236.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712	EA	Corner Section	4,838.06	1,236.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0484)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,132.23	173.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.15*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,260.21	192.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.52*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,181.72	258.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.31*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,163.10	341.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.78*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	7,196.35	426.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.92*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	16,807.98	426.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.92*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,142.09	150.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.09*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,288.07	169.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.45*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,229.25	230.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.52*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,163.95	312.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.78*	
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	7,208.90	404.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.43*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	16,923.95	404.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.43*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,810.94	217.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.32*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,220.65	240.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.22*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,656.67	323.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.81*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	6,285.38	427.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	11,341.33	534.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.56*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,837.92	187.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.54*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,266.42	211.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.90*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,721.01	289.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.43*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	6,300.46	391.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.86*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	11,370.08	505.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.31*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	1,983.44	217.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.32*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,819.79	240.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.22*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,316.10	323.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.81*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,238.72	427.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	14,498.03	534.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.56*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,010.41	187.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.54*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,865.56	211.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.90*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,380.43	289.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.43*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,253.80	391.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.86*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	14,526.78	505.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.31*	

26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	914.67	169.28
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,192.67	230.06
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	1,985.36	299.78
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,344.49	422.25
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	6,707.39	536.77
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	16,969.83	536.77
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	932.33	150.07
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,219.47	206.07
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,041.84	276.33
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,357.06	399.79
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	6,706.85	507.82
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	17,072.79	507.82

26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,572.63	211.94
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,190.87	287.60
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,389.40	374.54
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	7,094.76	529.29
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	11,533.44	619.38
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,609.45	187.59
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,233.97	257.39
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,464.21	345.77
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	7,120.12	498.82
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	11,549.08	584.12

26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,832.53	211.94
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,799.21	287.60
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,066.07	374.54
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,444.36	529.29
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	14,048.45	619.38
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,870.12	187.59
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,842.31	257.39
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,140.88	345.77
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,469.72	498.82
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	14,064.09	584.12

26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit *(26 24 19 00-0484)*

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0786	EA	600 Amp Horizontal Tin Plated Copper Bus Kit	197.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 24 19 00-0787	EA	800 Amp Horizontal Tin Plated Copper Bus Kit	241.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 24 19 00-0788	EA	1,200 Amp Horizontal Tin Plated Copper Bus Kit	290.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 24 19 00-0789	EA	1,600 Amp Horizontal Tin Plated Copper Bus Kit	378.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 24 19 00-0790	EA	2,000 Amp Horizontal Tin Plated Copper Bus Kit	634.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.48*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	113.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0792		**Disconnect Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	597.82	130.32
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	999.64	144.30
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,229.72	194.35
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	2,003.59	256.13
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,393.62	320.16
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,846.23	320.16
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	7,780.07	400.87
26 24 19 00-0801		**Fusible Disconnect Switch For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips	632.90	126.71
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips	747.92	172.71
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips	1,023.80	220.95
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips	1,901.57	316.55
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips	3,366.23	402.59
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips	7,690.16	402.59
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips	9,507.19	503.24
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips	14,033.51	503.24
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	54.77	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	54.77	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	105.49	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	105.49	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	146.55	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	41.36	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	92.35	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.27*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	103.77	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.09*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	86.98	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.45*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	236.81	61.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	282.52	23.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.02*	
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)*		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	60.21	11.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.45*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	83.11	11.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.45*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	92.18	11.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.05*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	82.90	11.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	87.46	11.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.25*	
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	685.69	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	24.34	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts	135.32	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	128.00	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	73.34	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0837		Motor Control Center Accessories *(26 24 19 00-0484)*		
26 24 19 00-0838		Lighting Transformer With Circuit Breaker *(26 24 19 00-0837)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	3,989.26	289.27
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,147.64	300.85
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,537.67	323.99
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,700.20	347.13
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,657.75	370.27
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,404.26	416.56
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	12,351.06	462.84
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	7,221.62	381.84
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	7,846.05	416.56
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,972.76	462.84
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,520.36	509.13
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,482.41	555.41
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,849.70	601.69
26 24 19 00-0852		Bolt-On Lighting Panel *(26 24 19 00-0837)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	1,682.49	469.33
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,622.76	816.89
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,485.37	1,105.21
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	1,759.44	507.82
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,588.00	799.48
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,623.52	1,174.30
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	2,841.21	544.35
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,782.07	873.89
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,725.21	1,174.30
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	2,926.83	587.10
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,782.07	873.89
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,800.97	1,212.17
26 24 19 00-0865		Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0837)* Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker	13.52	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	211.32	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker	26.43	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker	60.86	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker	71.31	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker	108.19	
26 24 19 00-0872		Blank Unit Door (BUD) *(26 24 19 00-0837)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	56.35	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	67.62	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	101.43	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	135.24	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	202.87	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	236.68	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	270.49	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 00 00-0001		Bus Ducts *(26 25)*		
26 25 00 00-0002		Plug-In Bus Duct *(26 25 00 00-0001)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 00 00-0002)*		
26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	238.75	27.06
		For Up To 25, Add	*59.69*	
		For >25 To 50, Add	*35.81*	
		For >50 To 100, Add	*17.91*	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	339.18	27.06
		For Up To 25, Add	*84.80*	
		For >25 To 50, Add	*50.88*	
		For >50 To 100, Add	*25.44*	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	430.21	36.07
		For Up To 25, Add	*107.55*	
		For >25 To 50, Add	*64.53*	
		For >50 To 100, Add	*32.27*	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	595.32	36.07
		For Up To 25, Add	*148.83*	
		For >25 To 50, Add	*89.30*	
		For >50 To 100, Add	*44.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0008	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	627.95	45.09
		For Up To 25, Add	*156.99*	
		For >25 To 50, Add	*94.19*	
		For >50 To 100, Add	*47.10*	
26 25 00 00-0009	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	876.33	45.09
		For Up To 25, Add	*219.08*	
		For >25 To 50, Add	*131.45*	
		For >50 To 100, Add	*65.72*	
26 25 00 00-0010	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,026.32	47.35
		For Up To 25, Add	*256.58*	
		For >25 To 50, Add	*153.95*	
		For >50 To 100, Add	*76.97*	
26 25 00 00-0011	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,250.70	48.70
		For Up To 25, Add	*312.68*	
		For >25 To 50, Add	*187.61*	
		For >50 To 100, Add	*93.80*	
26 25 00 00-0012	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,544.58	51.41
		For Up To 25, Add	*386.15*	
		For >25 To 50, Add	*231.69*	
		For >50 To 100, Add	*115.84*	
26 25 00 00-0013	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,783.39	59.97
		For Up To 25, Add	*445.85*	
		For >25 To 50, Add	*267.51*	
		For >50 To 100, Add	*133.75*	
26 25 00 00-0014	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,064.32	65.38
		For Up To 25, Add	*516.08*	
		For >25 To 50, Add	*309.65*	
		For >50 To 100, Add	*154.82*	
26 25 00 00-0015		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 00 00-0002)*		
26 25 00 00-0016	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	393.33	27.06
		For Up To 25, Add	*98.33*	
		For >25 To 50, Add	*59.00*	
		For >50 To 100, Add	*29.50*	
26 25 00 00-0017	LF	400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	568.86	27.06
		For Up To 25, Add	*142.22*	
		For >25 To 50, Add	*85.33*	
		For >50 To 100, Add	*42.66*	
26 25 00 00-0018	LF	600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	643.21	36.07
		For Up To 25, Add	*160.80*	
		For >25 To 50, Add	*96.48*	
		For >50 To 100, Add	*48.24*	
26 25 00 00-0019	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	818.50	36.07
		For Up To 25, Add	*204.63*	
		For >25 To 50, Add	*122.78*	
		For >50 To 100, Add	*61.39*	
26 25 00 00-0020	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	999.10	45.09
		For Up To 25, Add	*249.78*	
		For >25 To 50, Add	*149.87*	
		For >50 To 100, Add	*74.93*	
26 25 00 00-0021	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,295.74	45.09
		For Up To 25, Add	*323.94*	
		For >25 To 50, Add	*194.36*	
		For >50 To 100, Add	*97.18*	
26 25 00 00-0022	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,676.08	46.72
		For Up To 25, Add	*419.02*	
		For >25 To 50, Add	*251.41*	
		For >50 To 100, Add	*125.71*	
26 25 00 00-0023	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,019.53	48.70
		For Up To 25, Add	*504.88*	
		For >25 To 50, Add	*302.93*	
		For >50 To 100, Add	*151.46*	
26 25 00 00-0024	LF	2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,505.70	50.95
		For Up To 25, Add	*626.43*	
		For >25 To 50, Add	*375.86*	
		For >50 To 100, Add	*187.93*	
26 25 00 00-0025	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,892.41	59.97
		For Up To 25, Add	*723.10*	
		For >25 To 50, Add	*433.86*	
		For >50 To 100, Add	*216.93*	
26 25 00 00-0026	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,353.35	65.38
		For Up To 25, Add	*838.34*	
		For >25 To 50, Add	*503.00*	
		For >50 To 100, Add	*251.50*	
26 25 00 00-0027		Cable Tap Boxes *(26 25 00 00-0002)*		
26 25 00 00-0028		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 00 00-0027)*		
26 25 00 00-0029	EA	225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,978.80	126.26
26 25 00 00-0030	EA	400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,040.55	126.26
26 25 00 00-0031	EA	600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,203.19	171.35
26 25 00 00-0032	EA	800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,341.49	171.35
26 25 00 00-0033	EA	1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,508.90	225.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0034	EA	1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,747.94	225.46
26 25 00 00-0035		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 00 00-0027)*		
26 25 00 00-0036	EA	225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,040.55	248.01
26 25 00 00-0037	EA	400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,213.53	248.01
26 25 00 00-0038	EA	600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,361.26	338.20
26 25 00 00-0039	EA	800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,652.65	338.20
26 25 00 00-0040	EA	1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,786.01	450.93
26 25 00 00-0041	EA	1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,170.90	450.93
26 25 00 00-0042		**Bus Duct Plug-In Circuit Breaker** *(26 25 00 00-0002)*		
26 25 00 00-0043		**240 Volt, 3-Phase** *(26 25 00 00-0042)*		
26 25 00 00-0044	EA	60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	885.22	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.34*	
26 25 00 00-0045	EA	100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,773.60	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.33*	
26 25 00 00-0046		**600 Volt, 3-Phase** *(26 25 00 00-0042)*		
26 25 00 00-0047	EA	60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,726.95	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.34*	
26 25 00 00-0048	EA	100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,237.00	90.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.33*	
26 25 00 00-0049		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 00 00-0042)*		
26 25 00 00-0050	EA	60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,019.54	108.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 25 00 00-0051	EA	100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,216.86	108.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.46*	
26 25 00 00-0052		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 00 00-0042)*		
26 25 00 00-0053	EA	60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,169.90	108.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 25 00 00-0054	EA	100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,805.61	108.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.46*	
26 25 00 00-0055	EA	225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,616.47	374.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.20*	
26 25 00 00-0056	EA	400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,257.34	374.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.28*	
26 25 00 00-0057	EA	600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,956.36	1,082.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*490.13*	
26 25 00 00-0058	EA	800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,612.30	1,082.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*867.16*	
26 25 00 00-0059		**Bus Duct Plug-In Fusible Switch** *(26 25 00 00-0002)*		
26 25 00 00-0060		**240 Volt, 3-Pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0061	EA	30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	883.15	90.19
26 25 00 00-0062	EA	60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	967.82	90.19
26 25 00 00-0063	EA	100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,340.48	108.22
26 25 00 00-0064	EA	200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,259.70	216.45
26 25 00 00-0065	EA	400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,727.67	487.00
26 25 00 00-0066	EA	600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,529.50	847.73
26 25 00 00-0067		**600 Volt, 3-Pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0068	EA	30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	920.87	99.20
26 25 00 00-0069	EA	60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,003.26	99.20
26 25 00 00-0070	EA	100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,353.65	99.20
26 25 00 00-0071	EA	200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,318.98	207.43
26 25 00 00-0072	EA	400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,703.58	468.96
26 25 00 00-0073	EA	600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,700.30	901.84
26 25 00 00-0074	EA	800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	14,347.61	1,172.40
26 25 00 00-0075		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0076	EA	30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,023.02	117.24
26 25 00 00-0077	EA	60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,095.33	117.24
26 25 00 00-0078	EA	100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,481.36	117.24
26 25 00 00-0079	EA	200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,512.23	243.50
26 25 00 00-0080	EA	400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,279.34	541.10
26 25 00 00-0081	EA	600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,131.21	829.70
26 25 00 00-0082		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 00 00-0059)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0083	EA	30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,057.59	117.24
26 25 00 00-0084	EA	60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,129.91	99.47
26 25 00 00-0085	EA	100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,582.42	135.28
26 25 00 00-0086	EA	200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,620.08	243.50
26 25 00 00-0087	EA	400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,279.34	541.10
26 25 00 00-0088	EA	600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,131.21	829.70
26 25 00 00-0089	EA	800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	14,514.73	1,100.25

26 25 00 00-0090 Feeder Bus Duct *(26 25 00 00-0001)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 00 00-0090)*

Note: Copper conductors.

26 25 00 00-0092	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	717.43	37.88
		For Up To 25, Add	*179.36*	
		For >25 To 50, Add	*107.61*	
		For >50 To 100, Add	*53.81*	
26 25 00 00-0093	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	726.69	37.88
		For Up To 25, Add	*181.67*	
		For >25 To 50, Add	*109.00*	
		For >50 To 100, Add	*54.50*	
26 25 00 00-0094	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	952.77	37.88
		For Up To 25, Add	*238.19*	
		For >25 To 50, Add	*142.92*	
		For >50 To 100, Add	*71.46*	
26 25 00 00-0095	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,145.36	37.88
		For Up To 25, Add	*286.34*	
		For >25 To 50, Add	*171.80*	
		For >50 To 100, Add	*85.90*	
26 25 00 00-0096	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,400.67	37.88
		For Up To 25, Add	*350.17*	
		For >25 To 50, Add	*210.10*	
		For >50 To 100, Add	*105.05*	
26 25 00 00-0097	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,910.94	90.19
		For Up To 25, Add	*477.74*	
		For >25 To 50, Add	*286.64*	
		For >50 To 100, Add	*143.32*	
26 25 00 00-0098	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,643.62	90.19
		For Up To 25, Add	*660.91*	
		For >25 To 50, Add	*396.54*	
		For >50 To 100, Add	*198.27*	
26 25 00 00-0099	LF	5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,127.64	90.19
		For Up To 25, Add	*781.91*	
		For >25 To 50, Add	*469.15*	
		For >50 To 100, Add	*234.57*	
26 25 00 00-0100	LF	6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,854.16	90.19
		For Up To 25, Add	*963.54*	
		For >25 To 50, Add	*578.12*	
		For >50 To 100, Add	*289.06*	

26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 00 00-0090)*

Note: Low impedance, copper conductors.

26 25 00 00-0102	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	823.62	40.58
		For Up To 25, Add	*205.91*	
		For >25 To 50, Add	*123.54*	
		For >50 To 100, Add	*61.77*	
26 25 00 00-0103	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	835.64	40.58
		For Up To 25, Add	*208.91*	
		For >25 To 50, Add	*125.35*	
		For >50 To 100, Add	*62.67*	
26 25 00 00-0104	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,076.85	40.58
		For Up To 25, Add	*269.21*	
		For >25 To 50, Add	*161.53*	
		For >50 To 100, Add	*80.76*	
26 25 00 00-0105	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,276.68	40.58
		For Up To 25, Add	*319.17*	
		For >25 To 50, Add	*191.50*	
		For >50 To 100, Add	*95.75*	
26 25 00 00-0106	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,542.81	40.58
		For Up To 25, Add	*385.70*	
		For >25 To 50, Add	*231.42*	
		For >50 To 100, Add	*115.71*	
26 25 00 00-0107	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,372.74	69.44
		For Up To 25, Add	*593.19*	
		For >25 To 50, Add	*355.91*	
		For >50 To 100, Add	*177.96*	
26 25 00 00-0108	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,976.24	69.44
		For Up To 25, Add	*744.06*	
		For >25 To 50, Add	*446.44*	
		For >50 To 100, Add	*223.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0109	LF	5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,521.19	128.97
		For Up To 25, Add	*880.30*	
		For >25 To 50, Add	*528.18*	
		For >50 To 100, Add	*264.09*	
26 25 00 00-0110	LF	6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,345.00	128.97
		For Up To 25, Add	*1,086.25*	
		For >25 To 50, Add	*651.75*	
		For >50 To 100, Add	*325.88*	

26 26 Power Distribution Units *(26 20)*

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center *(26 26)*

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 26 00 00-0002	EA	PDU 15 KVA 480-208/120 (Liebert PPA01C)	11,464.24	277.32
26 26 00 00-0003	EA	PDU 15 KVA 208-208/120 (Liebert PPC015C)	11,081.30	277.32
26 26 00 00-0004	EA	PDU 30 KVA 480-208/120 (Liebert PPA030C)	12,914.99	300.59
26 26 00 00-0005	EA	PDU 30 KVA 208-208/120 (Liebert PPC030C)	13,361.76	300.59
26 26 00 00-0006	EA	PDU 50 KVA 480-208/120 (Liebert PPA050C)	14,597.96	333.69
26 26 00 00-0007	EA	PDU 50 KVA 208-208/120 (Liebert PPC050C)	15,223.01	333.69
26 26 00 00-0008	EA	PDU 75 KVA 480-208/120 (Liebert PPA075C)	16,098.74	360.74
26 26 00 00-0009	EA	PDU 75 KVA 208-208/120 (Liebert PPC075C)	17,502.87	360.74
26 26 00 00-0010	EA	PDU 100 KVA 480-208/120 (Liebert PPA100C)	17,534.31	450.93
26 26 00 00-0011	EA	PDU 100 KVA 208-208/120 (Liebert PPC100C)	19,129.91	450.93
26 26 00 00-0012	EA	PDU 125 KVA 480-208/120 (Liebert PPA125C)	19,693.23	541.10
26 26 00 00-0013	EA	PDU 125 KVA 208-208/120 (Liebert PPC125C)	21,480.30	541.10
26 26 00 00-0014	EA	PDU 150 KVA 480-208/120 (Liebert PPA150C)	23,830.67	631.29
26 26 00 00-0015	EA	PDU 150 KVA 208-208/120 (Liebert PPC150C)	24,788.03	631.29
26 26 00 00-0016	EA	PDU 200 KVA 480-208/120 (Liebert PPA200C)	26,276.31	721.47
26 26 00 00-0017	EA	PDU 225 KVA 480-208/120 (Liebert PPA225C)	27,595.34	811.66
26 26 00 00-0018	EA	Ex Panelboard 10-30 KVA	1,018.59	90.19
26 26 00 00-0019	EA	Ex Panelboard 50-125 KVA	1,510.45	112.73
26 26 00 00-0020	EA	Ex Panelboard 150-220 KVA	3,342.61	135.28
26 26 00 00-0021	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,442.96	
26 26 00 00-0022	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,082.22	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R.

26 27 13 00-0003	EA	100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	174.61	58.62
26 27 13 00-0004	EA	100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	183.39	58.62
26 27 13 00-0005	EA	200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	240.86	72.15
26 27 13 00-0006	EA	200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	243.36	72.15
26 27 13 00-0007	EA	200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	436.48	81.17
26 27 13 00-0008	EA	320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	570.10	90.19
26 27 13 00-0009	EA	400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,336.60	99.20
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,731.16	450.93

26 27 13 00-0011 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA	100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	155.15	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.09*	
26 27 13 00-0013	EA	200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	417.63	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 27 13 00-0014 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0015	EA	Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	370.60	117.24

26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole *(26 27 13 00-0016)*

26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	595.62	56.37
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	780.08	67.64
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	963.58	78.91
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,115.85	90.19
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,443.28	101.46
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,560.50	112.73
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,823.38	135.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0025		**1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,069.04	56.37
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,404.04	67.64
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,932.03	90.19
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,143.94	101.46
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,687.24	112.73
26 27 13 00-0031		**800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	907.72	78.91
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,184.02	90.19
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,443.28	101.46
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,693.06	112.73
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,122.75	124.01
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,230.52	135.28
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	2,758.48	157.82
26 27 13 00-0039		**1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0016)*		
26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,379.24	78.91
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,799.46	90.19
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,526.28	112.73
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,709.79	124.01
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,451.91	135.28
26 27 13 00-0045		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0046		**800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	652.25	67.64
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	847.12	78.91
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,041.05	90.19
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,206.57	101.46
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,475.29	112.73
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,592.52	124.01
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,959.54	146.55
26 27 13 00-0054		**1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,129.46	67.64
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,483.40	78.91
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,134.47	101.46
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,346.38	112.73
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,832.90	124.01
26 27 13 00-0060		**800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	964.36	90.19
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,244.46	101.46
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,532.12	112.73
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,781.91	124.01
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,230.55	135.28
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,338.28	146.55
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,904.16	169.10
26 27 13 00-0068		**1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0045)*		
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,449.14	90.19
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,897.78	101.46
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,709.81	124.01
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,836.50	135.28
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,588.11	146.55
26 27 13 00-0074		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0075		**800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0074)*		
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	595.62	56.37
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	780.08	67.64
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,115.85	90.19
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,443.28	101.46
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,778.27	112.73
26 27 13 00-0081		**1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0074)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,069.04	56.37
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,404.04	67.64
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,026.70	90.19
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,238.62	101.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,687.24	112.73
26 27 13 00-0087		**800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0074)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	907.72	78.91
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,184.02	90.19
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,693.06	112.73
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,122.75	124.01
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,230.52	135.28
26 27 13 00-0093		**1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0074)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,379.25	78.91
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,799.46	90.19
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,526.28	112.73
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,709.79	124.01
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,451.94	135.28
26 27 13 00-0099		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0100		**800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0099)*		
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	652.25	67.64
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	847.12	78.91
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,206.57	101.46
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,569.97	112.73
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,781.89	124.01
26 27 13 00-0106		**1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole** *(26 27 13 00-0099)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,129.46	67.64
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,483.39	78.91
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,039.78	101.46
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,251.69	112.73
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,832.88	124.01
26 27 13 00-0112		**800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0099)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	964.35	90.19
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,244.44	101.46
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,781.89	124.01
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,230.52	135.28
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,338.28	146.55
26 27 13 00-0118		**1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole** *(26 27 13 00-0099)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,449.13	90.19
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,897.76	101.46
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,709.79	124.01
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,836.50	135.28
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,588.11	146.55
26 27 13 00-0124		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	651.70	54.11
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,927.81	108.22
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,046.16	81.17
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,262.40	81.17
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,077.93	81.17
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	720.39	74.85
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,235.75	135.28
26 27 13 00-0132		**Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0132)*		
26 27 13 00-0134	EA	400 Amp System; 200 Amp M-90 Meter And Enclosure	3,277.46	541.19
26 27 13 00-0135	EA	600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,787.78	541.19
26 27 13 00-0136		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0132)*		
26 27 13 00-0137	EA	400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,518.04	541.19
26 27 13 00-0138	EA	600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,630.84	541.19
26 27 13 00-0139	EA	800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,102.77	541.19

26 27 16 Electrical Cabinets And Enclosures *(26 27)*

Note: Can be used as enclosure or pull/junction boxes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0001		NEMA 1 Enclosures *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	53.30	18.04
26 27 16 00-0005	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	59.46	19.84
26 27 16 00-0006	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.68	21.64
26 27 16 00-0007	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.67	25.25
26 27 16 00-0008	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	83.15	27.06
26 27 16 00-0009	EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.01	28.86
26 27 16 00-0010	EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	89.82	28.86
26 27 16 00-0011	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	96.80	30.66
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.07	32.47
26 27 16 00-0013	EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.89	43.29
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	164.69	52.31
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.10	50.50
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	66.05	21.64
26 27 16 00-0018	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.38	25.25
26 27 16 00-0019	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.17	30.66
26 27 16 00-0020	EA	10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.30	32.47
26 27 16 00-0021	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	109.54	34.27
26 27 16 00-0022	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	117.05	36.07
26 27 16 00-0023	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.49	46.90
26 27 16 00-0024	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	181.92	57.72
26 27 16 00-0025	EA	18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	175.64	55.92
26 27 16 00-0026	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	228.20	72.15
26 27 16 00-0027	EA	24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	285.29	82.97
26 27 16 00-0028	EA	24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	322.34	90.19
26 27 16 00-0029	EA	30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	355.05	95.60
26 27 16 00-0030	EA	36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	383.26	99.20
26 27 16 00-0031		Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0032		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0033	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	38.23	12.63
26 27 16 00-0034	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.63	18.04
26 27 16 00-0035	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	60.84	19.84
26 27 16 00-0036		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0037	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	42.86	14.43
26 27 16 00-0038	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	53.19	18.04
26 27 16 00-0039	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.30	19.84
26 27 16 00-0040	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.50	21.64
26 27 16 00-0041	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	76.43	25.25
26 27 16 00-0042	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.89	27.06
26 27 16 00-0043	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.65	28.86
26 27 16 00-0044	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.43	28.86
26 27 16 00-0045	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	96.45	30.66
26 27 16 00-0046	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	103.66	32.47
26 27 16 00-0047	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	135.89	43.29
26 27 16 00-0048	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	168.58	54.11
26 27 16 00-0049	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	156.53	50.50
26 27 16 00-0050	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	202.57	64.93
26 27 16 00-0051	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	287.76	81.17
26 27 16 00-0052		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0053	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.82	21.64
26 27 16 00-0054	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.45	23.45
26 27 16 00-0055	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	83.52	27.06
26 27 16 00-0056	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.80	30.66
26 27 16 00-0057	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.92	32.47
26 27 16 00-0058	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	109.10	34.27
26 27 16 00-0059	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.55	36.07
26 27 16 00-0060	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.49	46.90
26 27 16 00-0061	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	183.71	57.72
26 27 16 00-0062	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	175.00	55.92
26 27 16 00-0063	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	227.32	72.15
26 27 16 00-0064	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	281.24	82.97
26 27 16 00-0065	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.48	90.19
26 27 16 00-0066	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	345.35	95.60
26 27 16 00-0067	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	375.75	99.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0068		8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0069	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.80	30.66
26 27 16 00-0070	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.52	39.68
26 27 16 00-0071	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	163.41	50.50
26 27 16 00-0072	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	202.98	63.13
26 27 16 00-0073	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	194.38	61.33
26 27 16 00-0074	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	240.71	75.76
26 27 16 00-0075	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	269.23	86.58
26 27 16 00-0076	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	309.11	91.99
26 27 16 00-0077	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	353.31	99.20
26 27 16 00-0078	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	375.58	104.62
26 27 16 00-0079	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	393.95	108.22
26 27 16 00-0080	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	403.31	108.22
26 27 16 00-0081		10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0082	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	220.20	68.54
26 27 16 00-0083	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	289.11	88.38
26 27 16 00-0084	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	294.27	93.79
26 27 16 00-0085	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	374.02	101.01
26 27 16 00-0086	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	428.79	111.83
26 27 16 00-0087	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	472.60	115.44
26 27 16 00-0088	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	503.29	120.85
26 27 16 00-0089		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0090	EA	18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	319.12	97.40
26 27 16 00-0091	EA	24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.02	102.81
26 27 16 00-0092	EA	24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	411.52	111.83
26 27 16 00-0093	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	468.26	122.65
26 27 16 00-0094	EA	30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	521.86	128.06
26 27 16 00-0095	EA	36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	549.83	133.47
26 27 16 00-0096		NEMA 12 Enclosures *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0097		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		
26 27 16 00-0098		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	67.10	14.43
26 27 16 00-0100	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	88.19	19.84
26 27 16 00-0101	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	109.66	25.25
26 27 16 00-0102	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	118.50	27.06
26 27 16 00-0103	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	131.86	28.86
26 27 16 00-0104	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	141.71	30.66
26 27 16 00-0105		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0106	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	97.62	21.64
26 27 16 00-0107	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	107.24	23.45
26 27 16 00-0108		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		
26 27 16 00-0109		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0108)*		
26 27 16 00-0110	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	70.85	14.43
26 27 16 00-0111	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	89.57	19.84
26 27 16 00-0112	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	99.86	21.64
26 27 16 00-0113	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	115.13	25.25
26 27 16 00-0114	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	120.37	27.06
26 27 16 00-0115	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	136.57	28.86
26 27 16 00-0116	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	146.05	30.66
26 27 16 00-0117	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	161.81	32.47
26 27 16 00-0118		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0108)*		
26 27 16 00-0119	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	104.51	21.64
26 27 16 00-0120	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	116.30	23.45
26 27 16 00-0121	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	129.48	27.06
26 27 16 00-0122	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	153.99	32.47
26 27 16 00-0123	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	168.70	36.07
26 27 16 00-0124	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	228.48	46.90
26 27 16 00-0125	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	353.12	72.15
26 27 16 00-0126	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	441.70	82.97
26 27 16 00-0127	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	491.92	90.19
26 27 16 00-0128		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0108)*		
26 27 16 00-0129	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	470.46	91.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0130	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	529.87	99.20
26 27 16 00-0131	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	574.44	104.62
26 27 16 00-0132	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	620.48	108.22
26 27 16 00-0133	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	614.63	108.22
26 27 16 00-0134		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		
26 27 16 00-0135		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0136	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,551.10	146.55
26 27 16 00-0137		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0138	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,586.90	162.33
26 27 16 00-0139	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,802.09	173.61
26 27 16 00-0140	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,097.34	216.45
26 27 16 00-0141	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,361.51	255.22
26 27 16 00-0142		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0143	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,811.33	255.22
26 27 16 00-0144	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,999.00	270.56
26 27 16 00-0145	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,243.44	288.59
26 27 16 00-0146	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,432.47	288.59
26 27 16 00-0147		NEMA 3 Enclosures *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0148		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0149	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	219.86	63.13
26 27 16 00-0150		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0151	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	234.67	63.13
26 27 16 00-0152	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	295.26	65.38
26 27 16 00-0153	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	305.33	65.38
26 27 16 00-0154	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	379.22	67.64
26 27 16 00-0155		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0156	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	292.53	65.38
26 27 16 00-0157	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	318.88	65.38
26 27 16 00-0158	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	332.25	67.64
26 27 16 00-0159	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	413.21	67.64
26 27 16 00-0160	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.57	72.15
26 27 16 00-0161	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	487.93	76.66
26 27 16 00-0162	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	507.18	76.66
26 27 16 00-0163	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	599.44	78.91
26 27 16 00-0164	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	648.99	81.17
26 27 16 00-0165	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	882.29	90.19
26 27 16 00-0166		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0167	EA	6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	435.95	69.89
26 27 16 00-0168	EA	8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	546.65	78.91
26 27 16 00-0169	EA	8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	637.15	81.17
26 27 16 00-0170	EA	10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	731.29	83.42
26 27 16 00-0171	EA	10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	776.70	83.42
26 27 16 00-0172	EA	12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	882.04	90.19
26 27 16 00-0173	EA	12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,019.43	101.46
26 27 16 00-0174	EA	16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	961.00	96.95
26 27 16 00-0175	EA	18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,866.00	180.37
26 27 16 00-0176	EA	18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,207.34	225.46
26 27 16 00-0177		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0178	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	784.46	85.68
26 27 16 00-0179	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,174.95	112.73
26 27 16 00-0180	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,193.50	112.73
26 27 16 00-0181	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,621.73	169.10
26 27 16 00-0182	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,123.62	180.37
26 27 16 00-0183	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,347.49	315.65

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0184		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,827.23	225.46
26 27 16 00-0186		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,326.04	270.56
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,565.15	248.01
26 27 16 00-0189		NEMA 3R Enclosures *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0190		Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0189)*		
26 27 16 00-0191		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0190)*		
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	61.11	18.04
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	67.39	19.84
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	86.19	19.84
26 27 16 00-0195		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0190)*		
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	113.95	27.06
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	127.84	30.66
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	148.00	34.27
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	158.86	36.07
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	206.74	46.90
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	249.15	57.72
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	291.86	72.15
26 27 16 00-0203		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0190)*		
26 27 16 00-0204	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	422.69	91.99
26 27 16 00-0205	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	465.49	99.20
26 27 16 00-0206	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	515.74	104.62
26 27 16 00-0207	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	540.33	108.22
26 27 16 00-0208		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0190)*		
26 27 16 00-0209	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	521.51	111.83
26 27 16 00-0210	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	589.03	126.26
26 27 16 00-0211	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	652.34	139.79
26 27 16 00-0212	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	718.06	154.22
26 27 16 00-0213	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	782.26	167.74
26 27 16 00-0214	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	357.74	88.38
26 27 16 00-0215	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	521.51	111.83
26 27 16 00-0216	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	597.62	115.44
26 27 16 00-0217	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	733.27	126.26
26 27 16 00-0218		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0190)*		
26 27 16 00-0219	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	483.18	89.28
26 27 16 00-0220	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	542.24	100.11
26 27 16 00-0221	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	600.38	110.93
26 27 16 00-0222	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	663.32	122.65
26 27 16 00-0223	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	722.38	133.47
26 27 16 00-0224	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	361.18	66.74
26 27 16 00-0225	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	483.18	89.28
26 27 16 00-0226	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	542.24	100.11
26 27 16 00-0227	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	634.25	117.24
26 27 16 00-0228	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	722.38	133.47
26 27 16 00-0229	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	692.21	131.67
26 27 16 00-0230	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	722.38	133.47
26 27 16 00-0231	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	756.81	137.08
26 27 16 00-0232	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	833.20	144.30
26 27 16 00-0233	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	897.84	151.51
26 27 16 00-0234		Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0189)*		
26 27 16 00-0235		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0236	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	48.60	14.43
26 27 16 00-0237	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	59.19	18.04
26 27 16 00-0238	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	65.30	19.84
26 27 16 00-0239	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	72.15	21.64
26 27 16 00-0240	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	83.87	25.25
26 27 16 00-0241	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.06	27.06
26 27 16 00-0242	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.77	28.86
26 27 16 00-0243	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.43	28.86
26 27 16 00-0244	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	106.93	30.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0245	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	114.64	32.47
26 27 16 00-0246	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.27	50.50
26 27 16 00-0247	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	230.65	64.93
26 27 16 00-0248		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0234)*		
26 27 16 00-0249	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	68.72	21.64
26 27 16 00-0250	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.99	27.06
26 27 16 00-0251	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	104.22	30.66
26 27 16 00-0252	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	112.40	32.47
26 27 16 00-0253	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.89	32.47
26 27 16 00-0254	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	120.48	34.27
26 27 16 00-0255	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.14	36.07
26 27 16 00-0256	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.40	46.90
26 27 16 00-0257	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	195.27	55.92
26 27 16 00-0258	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	258.76	72.15
26 27 16 00-0259	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	271.76	77.56
26 27 16 00-0260	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	306.50	82.97
26 27 16 00-0261	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	342.86	90.19
26 27 16 00-0262		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0234)*		
26 27 16 00-0263	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	144.03	39.68
26 27 16 00-0264	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	211.40	61.33
26 27 16 00-0265	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	285.97	79.36
26 27 16 00-0266	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	339.27	91.99
26 27 16 00-0267	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	380.33	99.20
26 27 16 00-0268	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	418.48	104.62
26 27 16 00-0269		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0234)*		
26 27 16 00-0270	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	316.08	88.38
26 27 16 00-0271	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	420.22	111.83
26 27 16 00-0272	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	455.76	115.44
26 27 16 00-0273		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0234)*		
26 27 16 00-0274	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	463.57	122.65
26 27 16 00-0275	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	618.63	133.47
26 27 16 00-0276	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	638.73	137.08
26 27 16 00-0277	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	735.42	144.30
26 27 16 00-0278		**NEMA 4 Enclosures** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0279		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0278)*		
26 27 16 00-0280	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	74.08	12.63
26 27 16 00-0281	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	86.87	15.33
26 27 16 00-0282	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	108.85	19.84
26 27 16 00-0283	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	104.01	19.84
26 27 16 00-0284	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	139.27	27.06
26 27 16 00-0285	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	172.93	32.47
26 27 16 00-0286	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	160.06	30.66
26 27 16 00-0287	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	186.76	36.07
26 27 16 00-0288	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	219.30	41.49
26 27 16 00-0289	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	266.78	52.31
26 27 16 00-0290		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0278)*		
26 27 16 00-0291	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	68.47	12.63
26 27 16 00-0292	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	98.41	19.84
26 27 16 00-0293		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0278)*		
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	86.67	17.32
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	92.24	18.76
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	113.93	24.53
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	132.62	27.06
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	170.95	34.27
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	200.00	40.58
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	285.36	64.93
26 27 16 00-0301		**NEMA 4X Enclosures** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0302		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0301)*		
26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	142.55	14.43
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	169.36	19.84

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	215.55	27.06
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	261.50	32.47
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	323.06	41.49
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	383.03	52.31

26 27 16 00-0309 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures *(26 27 16 00-0301)*

26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	128.13	12.63
		For 316L Stainless Steel, Add	*26.07*	
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	168.66	18.04
		For 316L Stainless Steel, Add	*33.36*	
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	190.38	19.84
		For 316L Stainless Steel, Add	*38.01*	
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	216.57	21.64
		For 316L Stainless Steel, Add	*43.86*	
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	266.57	27.06
		For 316L Stainless Steel, Add	*53.71*	
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	370.26	34.27
		For 316L Stainless Steel, Add	*76.84*	
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	460.04	41.49
		For 316L Stainless Steel, Add	*96.21*	
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	557.45	52.31
		For 316L Stainless Steel, Add	*115.20*	

26 27 16 00-0318 Screw Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0301)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	91.96	19.84
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	103.16	21.64
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	118.32	25.25
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	128.40	27.06
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	148.01	30.66
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	140.20	30.66
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	162.57	34.27
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	202.93	41.49
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	261.32	56.82
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	341.29	81.80
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	98.10	19.84
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	110.41	21.64
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	126.12	25.25
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	137.87	27.06
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	158.04	30.66
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	149.68	30.66
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	175.43	34.27
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	209.61	41.49
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	275.26	56.82
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	356.33	81.80

26 27 16 00-0339 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0301)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	109.25	19.84
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	117.10	21.64
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	133.36	25.25
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	144.01	27.06
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	169.75	30.66
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	157.49	30.66
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.58	34.27
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	228.01	41.49
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	283.07	56.82
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	369.71	81.80
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	113.71	19.84
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	125.46	21.64
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	141.17	25.25
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	152.36	27.06
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	180.90	30.66
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	166.96	30.66
26 27 16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	203.30	34.27
26 27 16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	233.59	41.49
26 27 16 00-0358	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	301.45	56.82
26 27 16 00-0359	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	389.22	81.80

26 27 16 00-0360 NEMA 7/9 Enclosures *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0362	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	924.99	101.46
		For Mounting Pan, Add	*38.22*	
26 27 16 00-0363	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	744.72	108.22
		For Mounting Pan, Add	*71.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,432.23	121.75
		For Mounting Pan, Add	*98.21*	

26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0366	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,277.11	121.75
		For Mounting Pan, Add	*49.94*	
26 27 16 00-0367	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,655.34	125.13
		For Mounting Pan, Add	*98.21*	
26 27 16 00-0368	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,695.66	135.28
		For Mounting Pan, Add	*75.13*	
26 27 16 00-0369	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,739.26	135.28
		For Mounting Pan, Add	*87.90*	
26 27 16 00-0370	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,453.28	169.10
		For Mounting Pan, Add	*115.31*	
26 27 16 00-0371	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,310.85	152.18
		For Mounting Pan, Add	*72.00*	
26 27 16 00-0372	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,393.58	169.10
		For Mounting Pan, Add	*107.74*	
26 27 16 00-0373	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,708.69	304.38
		For Mounting Pan, Add	*144.94*	
26 27 16 00-0374	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,934.54	202.92
		For Mounting Pan, Add	*141.12*	
26 27 16 00-0375	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,870.03	338.20
		For Mounting Pan, Add	*129.56*	
26 27 16 00-0376	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,620.73	338.20
		For Mounting Pan, Add	*210.63*	

26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0378	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,977.60	152.18
		For Mounting Pan, Add	*75.13*	
26 27 16 00-0379	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,991.15	152.18
		For Mounting Pan, Add	*87.90*	
26 27 16 00-0380	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,249.21	152.18
		For Mounting Pan, Add	*115.31*	
26 27 16 00-0381	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,492.47	169.10
		For Mounting Pan, Add	*72.00*	
26 27 16 00-0382	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,638.78	304.38
		For Mounting Pan, Add	*107.74*	
26 27 16 00-0383	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,428.36	372.02
		For Mounting Pan, Add	*144.94*	
26 27 16 00-0384	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,916.61	439.65
		For Mounting Pan, Add	*217.98*	
26 27 16 00-0385	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,997.37	372.02
		For Mounting Pan, Add	*141.12*	
26 27 16 00-0386	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,103.57	372.02
		For Mounting Pan, Add	*129.56*	
26 27 16 00-0387	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,074.56	405.83
		For Mounting Pan, Add	*194.21*	
26 27 16 00-0388	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,027.05	372.02
		For Mounting Pan, Add	*210.63*	
26 27 16 00-0389	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,690.93	405.83
		For Mounting Pan, Add	*308.00*	
26 27 16 00-0390	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,645.84	405.83
		For Mounting Pan, Add	*410.60*	
26 27 16 00-0391	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,294.42	541.10
		For Mounting Pan, Add	*513.18*	
26 27 16 00-0392	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,842.29	439.65
		For Mounting Pan, Add	*477.16*	
26 27 16 00-0393	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,176.63	676.38
		For Mounting Pan, Add	*653.23*	

26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0395	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,189.80	439.65
		For Mounting Pan, Add	*217.98*	
26 27 16 00-0396	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,618.69	405.83
		For Mounting Pan, Add	*194.21*	
26 27 16 00-0397	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,210.13	439.65
		For Mounting Pan, Add	*308.00*	
26 27 16 00-0398	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,086.26	473.47
		For Mounting Pan, Add	*513.18*	
26 27 16 00-0399	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,054.44	473.47
		For Mounting Pan, Add	*477.16*	
26 27 16 00-0400	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,428.14	676.38
		For Mounting Pan, Add	*653.23*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0401		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*		
26 27 16 00-0402	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,525.80	372.02
		For Mounting Pan, Add	*144.94*	
26 27 16 00-0403		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404		15 To 100 Amp, F-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0405	EA	NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	297.11	72.15
26 27 16 00-0406	EA	NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	548.55	72.15
26 27 16 00-0407	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,355.36	99.20
26 27 16 00-0408	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,838.29	108.22
26 27 16 00-0409	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,339.45	108.22
26 27 16 00-0410	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	469.27	99.20
26 27 16 00-0411		15 To 250 Amp, H Or J-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0412	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	474.91	99.20
26 27 16 00-0413	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	877.56	99.20
26 27 16 00-0414	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,005.45	126.26
26 27 16 00-0415	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	723.06	126.26
26 27 16 00-0416		125 To 400 Amp, L-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0417	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	742.03	198.41
26 27 16 00-0418	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,734.94	198.41
26 27 16 00-0419	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	5,091.69	252.52
26 27 16 00-0420	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,235.03	252.52
26 27 16 00-0421		300 To 800 Amp, M-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0422	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,453.72	378.78
26 27 16 00-0423	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,503.15	378.78
26 27 16 00-0424	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	9,159.97	487.00
26 27 16 00-0425	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	4,950.11	487.00
26 27 16 00-0426		250 To 1,200 Amp, P-Frame Breaker Enclosures *(26 27 16 00-0403)*		
26 27 16 00-0427	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	1,776.31	378.78
26 27 16 00-0428	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	3,013.32	378.78
26 27 16 00-0429	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	6,227.54	487.00
26 27 16 00-0430		Legend Plates *(26 27 16)*		
26 27 16 00-0431	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	11.38	4.51
26 27 16 00-0432	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	13.39	4.51
26 27 23		**Indoor Service Poles** *(26 27)*		
26 27 23 00-0001		Communication And Power Poles *(26 27 23)*		
		Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	225.38	39.98
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	244.27	39.98
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	266.11	39.98
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
		Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	43.94	8.25
26 27 23 00-0010	EA	Add-On Cover Plate For Three Duplex Receptacles	40.19	8.25
26 27 23 00-0011	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	45.33	8.25
26 27 23 00-0012	EA	Add-On Cover Plate For Data And A/V Modular Devices	33.93	8.25
26 27 23 00-0013	EA	Add-On Radius Control Entrance End Fitting	28.19	8.25
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	290.15	39.98
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	330.75	39.98
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	352.66	39.98
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On Cover Plate For One Single Receptacle	31.40	8.25
26 27 23 00-0021	EA	Add-On Cover Plate For One Duplex Receptacle	28.36	8.25
26 27 23 00-0022	EA	Add-On Cover Plate For Data And A/V Modular Devices	30.53	8.25
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	376.18	39.98
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	425.05	39.98
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	457.26	39.98
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On Cover Plate For One Single Receptacle	31.40	8.25
26 27 23 00-0030	EA	Add-On Cover Plate For One Duplex Receptacle	28.36	8.25
26 27 23 00-0031	EA	Add-On Cover Plate For Data And A/V Modular Devices	30.53	8.25
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	302.87	39.98
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	337.03	39.98
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	375.33	39.98
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	47.32	8.25
26 27 23 00-0040	EA	Add-On Cover Plate For Three Duplex Receptacles	48.28	8.25
26 27 23 00-0041	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	51.49	8.25
26 27 23 00-0042	EA	Add-On Cover Plate For Data And A/V Modular Devices	35.74	8.25
26 27 23 00-0043	EA	Add-On Radius Control Entrance End Fitting	28.19	8.25
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	292.20	39.98
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	327.24	39.98
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	368.52	39.98
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	604.30	39.98
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	690.24	39.98
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	786.49	39.98
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	331.36	39.98
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	314.04	39.98
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	400.47	39.98
26 27 26		**Wiring Devices** *(26 27)*		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	69.62	32.02
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	74.54	34.27
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	89.45	41.03
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	99.28	45.54
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	75.12	32.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	80.33	34.27
26 27 26 00-0010		**Receptacle Components** *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	19.54	9.02
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	19.22	9.02
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	21.11	9.02
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	22.21	9.02
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	28.11	11.27
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	31.70	11.27
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	19.96	9.02
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	19.62	9.02
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	24.56	9.02
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	21.86	9.02
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	28.11	11.27
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	31.70	11.27
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	43.22	11.27
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	43.22	11.27
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	40.34	13.53
26 27 26 00-0026		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0027		**Specialty Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	39.71	15.78
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	39.71	15.78
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	52.98	15.78
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	52.23	15.78
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	56.74	18.04
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	53.76	18.04
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	52.91	18.04
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	48.57	18.04
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	63.50	18.04
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	61.34	18.04
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	65.85	20.29
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	72.65	22.55
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	81.67	27.06
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	730.63	211.94
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,534.68	259.28
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	46.61	18.04
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	68.88	27.06
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	38.25	11.27
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	818.11	274.80
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	53.87	9.02
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	34.16	11.27
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	34.07	11.27
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	49.67	18.04
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.92	11.27
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.77	11.27
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	46.01	13.53
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	39.31	13.53
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	46.81	13.53
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	54.11	13.53
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	57.97	18.04
26 27 26 00-0059		**Explosion Proof Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	504.42	22.55
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt,, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	466.91	24.80
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	778.34	45.09
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	974.19	45.09
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,238.36	67.64
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,181.66	67.64
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	22.46	11.27
26 27 26 00-0068	EA	20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	34.44	13.53
26 27 26 00-0069	EA	15 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	23.43	15.35
26 27 26 00-0070	EA	20 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	40.08	18.04
26 27 26 00-0071		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	36.02	11.27
26 27 26 00-0073	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	43.01	11.27
26 27 26 00-0074	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	40.45	13.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0075	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	40.14	13.53
26 27 26 00-0076	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	46.29	13.53
26 27 26 00-0077	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amp,Locking Receptacle	54.24	13.53
26 27 26 00-0078	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	53.36	13.53
26 27 26 00-0079	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	47.55	13.53
26 27 26 00-0080	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	55.51	18.04
26 27 26 00-0081	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	56.25	18.04
26 27 26 00-0082	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle	60.93	18.04
26 27 26 00-0083		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0084	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	178.11	45.09
26 27 26 00-0085	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	177.75	45.09
26 27 26 00-0086	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	184.61	45.09
26 27 26 00-0087	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	222.70	49.60
26 27 26 00-0088	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	223.27	49.60
26 27 26 00-0089	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	221.95	49.60
26 27 26 00-0090	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	264.17	55.46
26 27 26 00-0091	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	253.02	55.46
26 27 26 00-0092	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	270.48	55.46
26 27 26 00-0093	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	275.46	60.88
26 27 26 00-0094	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	275.24	60.88
26 27 26 00-0095	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	276.83	60.88
26 27 26 00-0096	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	381.25	72.15
26 27 26 00-0097	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	367.75	72.15
26 27 26 00-0098	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	376.54	72.15
26 27 26 00-0099	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	419.28	80.27
26 27 26 00-0100	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	419.54	80.27
26 27 26 00-0101	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	419.80	80.27
26 27 26 00-0102	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	467.07	90.19
26 27 26 00-0103	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	484.38	90.19
26 27 26 00-0104	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	522.14	99.20
26 27 26 00-0105	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	520.84	99.20
26 27 26 00-0106	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	523.29	99.20
26 27 26 00-0107		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0108	EA	15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles	37.21	9.02
26 27 26 00-0109	EA	15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles	67.85	11.27
26 27 26 00-0110		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0111	EA	15 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	21.04	9.02
26 27 26 00-0112	EA	20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR20.	22.58	9.02
26 27 26 00-0113	EA	15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	27.01	9.02
26 27 26 00-0114	EA	20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	29.08	9.02
26 27 26 00-0115	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	41.56	9.02
26 27 26 00-0116	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	44.53	9.02
26 27 26 00-0117	EA	20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	47.37	9.02
26 27 26 00-0118		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0119	EA	15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	42.67	9.02
26 27 26 00-0120	EA	20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	45.75	9.02
26 27 26 00-0121		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0122	EA	TV Receptacle With Cover (Type F) - Complete	49.87	20.92
26 27 26 00-0123		**Switches** *(26 27 26)*		
26 27 26 00-0124		**Switches** *(26 27 26 00-0123)*		
26 27 26 00-0125		**Switch Assemblies** *(26 27 26 00-0124)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0126	EA	1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	70.49	31.56
26 27 26 00-0127	EA	1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	76.10	34.27
26 27 26 00-0128	EA	2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	93.43	41.25
26 27 26 00-0129	EA	2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	102.85	45.76
26 27 26 00-0130	EA	3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	160.21	70.80
26 27 26 00-0131	EA	3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	174.34	77.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0132	EA	4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	182.96	80.03
26 27 26 00-0133	EA	4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	201.79	89.05
26 27 26 00-0134		Switch Components *(26 27 26 00-0124)*		
26 27 26 00-0135	EA	15 Amp, 120/277 Volt, SPST Switch	20.99	9.02
26 27 26 00-0136	EA	15 Amp, 120/277 Volt, 3-Way Switch	26.42	11.27
26 27 26 00-0137	EA	15 Amp, 120/277 Volt, 4-Way Switch	47.31	18.04
26 27 26 00-0138	EA	15 Amp, 120/277 Volt, DPST Switch	22.70	9.02
26 27 26 00-0139	EA	15 Amp, 120/277 Volt, Thermal Switch	37.20	11.27
26 27 26 00-0140	EA	20 Amp, 120/277 Volt, SPST Switch	25.70	11.27
26 27 26 00-0141	EA	20 Amp, 120/277 Volt, 3-Way Switch	31.36	13.53
26 27 26 00-0142	EA	20 Amp, 120/277 Volt, 4-Way Switch	57.51	18.04
26 27 26 00-0143	EA	20 Amp, 120/277 Volt, DPST Switch	28.45	11.27
26 27 26 00-0144	EA	20 Amp, 120/277 Volt, DPDT Switch	29.66	11.27
26 27 26 00-0145	EA	15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	48.09	11.29
26 27 26 00-0146	EA	15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	59.83	11.29
26 27 26 00-0147	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	46.99	13.55
26 27 26 00-0148	EA	20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	37.67	15.78
26 27 26 00-0149	EA	20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch. Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	44.97	18.04
26 27 26 00-0150	EA	20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch. Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	57.53	18.04
26 27 26 00-0151	EA	30 Amp, 120/277 Volt, Single Pole Local Switch	50.11	18.06
26 27 26 00-0152	EA	30 Amp, 120/277 Volt, Double Pole Local Switch	60.67	18.06
26 27 26 00-0153	EA	30 Amp, 120/277 Volt, Three-Way Local Switch	64.42	22.58
26 27 26 00-0154	EA	30 Amp, 120/277 Volt, Four-Way Local Switch	88.18	24.84
26 27 26 00-0155	EA	15 Amp, 120/277 Volt, Local Switch With Neon Pilot	46.89	14.76
26 27 26 00-0156	EA	15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	62.98	14.76
26 27 26 00-0157	EA	15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	56.05	14.76
26 27 26 00-0158	EA	15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	53.66	14.76
26 27 26 00-0159	EA	Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt	54.61	7.32
26 27 26 00-0160	EA	Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt	57.84	7.32
26 27 26 00-0161	EA	15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	64.98	28.18
26 27 26 00-0162	EA	Momentary Contact Switch, Three Position, Center Off, Key Operated Note: 15A, 120/277 V, Single Pole	76.72	28.18
26 27 26 00-0163		Specialty Switches *(26 27 26 00-0123)*		
26 27 26 00-0164		Dimmers With SPST Switch *(26 27 26 00-0163)*		
26 27 26 00-0165	EA	600 Watt Dimmers With SPST Switch	46.95	20.29
26 27 26 00-0166	EA	1,000 Watt Dimmers With SPST Switch	66.84	20.29
26 27 26 00-0167	EA	1,500 Watt Dimmers With SPST Switch	116.69	32.65
26 27 26 00-0168	EA	2,000 Watt Dimmers With SPST Switch	142.06	32.65
26 27 26 00-0169	EA	600 Watt Fluorescent Dimmer Switch	84.68	24.08
26 27 26 00-0170	EA	1,000 Watt Fluorescent Dimmer Switch	106.52	24.08
26 27 26 00-0171	EA	1,500 Watt Fluorescent Dimmer Switch	185.91	36.34
26 27 26 00-0172	EA	Remote Speed Switch For Paddle Fan	74.11	30.03
26 27 26 00-0173	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	117.74	44.82
26 27 26 00-0174		Time Switches *(26 27 26 00-0163)*		
26 27 26 00-0175	EA	40 Amp, SPST, 125 Volt, Standard Time Switch	77.08	27.06
26 27 26 00-0176	EA	40 Amp, SPST, 277 Volt, Standard Time Switch	78.23	27.06
26 27 26 00-0177	EA	40 Amp, DPST, 125 Volt, Standard Time Switch	77.08	27.06
26 27 26 00-0178	EA	40 Amp, DPST, 277 Volt, Standard Time Switch	78.23	27.06
26 27 26 00-0179	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch	84.74	27.06
26 27 26 00-0180	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch	84.74	27.06
26 27 26 00-0181	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch	129.91	27.06
26 27 26 00-0182	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch	129.91	27.06
26 27 26 00-0183	EA	20 Amp, SPST, 125 Volt, Programmable Time Switch	115.42	27.06
26 27 26 00-0184	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch	124.27	27.06
26 27 26 00-0185	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	124.27	27.06
26 27 26 00-0186	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	145.19	27.06
26 27 26 00-0187	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	148.71	27.06
26 27 26 00-0188	EA	40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	77.08	27.06
26 27 26 00-0189	EA	40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	78.23	27.06
26 27 26 00-0190	EA	40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	77.08	27.06
26 27 26 00-0191	EA	40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	78.23	27.06
26 27 26 00-0192	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	84.74	27.06
26 27 26 00-0193	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	84.74	27.06
26 27 26 00-0194	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	129.91	27.06
26 27 26 00-0195	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	129.91	27.06
26 27 26 00-0196	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	145.19	27.06
26 27 26 00-0197	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	148.71	27.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0198		**Low Voltage Switching** *(26 27 26 00-0163)*		
26 27 26 00-0199	EA	36 Pin Male Or Female Connector	92.30	9.02
26 27 26 00-0200		**Other Switches** *(26 27 26 00-0163)*		
26 27 26 00-0201	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	28.49	13.53
26 27 26 00-0202	EA	Locking Switch, SPST Concealed Devices	81.99	36.07
26 27 26 00-0203	EA	Locking Switch, 3-Way Concealed Devices	82.64	36.07
26 27 26 00-0204	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	84.98	33.73
26 27 26 00-0205	EA	15 Amp Momentary Contact Switch	82.47	33.73
26 27 26 00-0206	EA	20 Amp Momentary Contact Switch	85.11	33.73
26 27 26 00-0207	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	88.65	40.65
26 27 26 00-0208	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	89.38	40.65
26 27 26 00-0209	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	109.65	49.68
26 27 26 00-0210	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	99.69	45.16
26 27 26 00-0211	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	99.88	45.16
26 27 26 00-0212		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0213		**Wall Plates** *(26 27 26 00-0212)*		
26 27 26 00-0214		**Nylon Wall Plates** *(26 27 26 00-0213)*		
26 27 26 00-0215	EA	1 Gang Nylon Switch Plate	1.28	0.45
26 27 26 00-0216	EA	2 Gang Nylon Switch Plate	2.12	0.68
26 27 26 00-0217	EA	3 Gang Nylon Switch Plate	2.99	0.90
26 27 26 00-0218	EA	4 Gang Nylon Switch Plate	4.21	1.12
26 27 26 00-0219	EA	1 Gang Duplex Nylon Wall Plate	1.29	0.45
26 27 26 00-0220	EA	2 Gang Duplex Nylon Wall Plate	2.16	0.68
26 27 26 00-0221		**Plastic Wall Plates** *(26 27 26 00-0213)*		
26 27 26 00-0222	EA	1 Gang Plastic Switch Plate	1.21	0.45
26 27 26 00-0223	EA	2 Gang Plastic Switch Plate	1.97	0.68
26 27 26 00-0224	EA	3 Gang Plastic Switch Plate	2.75	0.90
26 27 26 00-0225	EA	4 Gang Plastic Switch Plate	4.21	1.12
26 27 26 00-0226	EA	1 Gang Duplex Plastic Wall Plate	1.21	0.45
26 27 26 00-0227	EA	2 Gang Duplex Plastic Wall Plate	1.97	0.68
26 27 26 00-0228		**Brass Wall Plates** *(26 27 26 00-0213)*		
26 27 26 00-0229	EA	1 Gang 0.04" Brass Switch Plate	11.30	2.03
26 27 26 00-0230	EA	2 Gang 0.04" Brass Switch Plate	20.42	2.35
26 27 26 00-0231	EA	3 Gang 0.04" Brass Switch Plate	29.44	2.62
26 27 26 00-0232	EA	4 Gang 0.04" Brass Switch Plate	45.14	2.85
26 27 26 00-0233	EA	5 Gang 0.04" Brass Switch Plate	54.75	3.03
26 27 26 00-0234	EA	6 Gang 0.04" Brass Switch Plate	63.19	3.16
26 27 26 00-0235	EA	1 Gang 0.04" Brass Duplex Receptacle Wall Plate	11.30	2.03
26 27 26 00-0236	EA	2 Gang 0.04" Brass Duplex Receptacle Wall Plate	23.72	2.35
26 27 26 00-0237	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	33.78	2.62
26 27 26 00-0238		**Stainless Steel Wall Plates** *(26 27 26 00-0213)*		
26 27 26 00-0239	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	6.54	2.03
26 27 26 00-0240	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	10.02	2.35
26 27 26 00-0241	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	13.64	2.62
26 27 26 00-0242	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	19.48	2.85
26 27 26 00-0243	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	22.77	3.03
26 27 26 00-0244	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	27.28	3.16
26 27 26 00-0245	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	7.07	2.03
26 27 26 00-0246	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	11.25	2.35
26 27 26 00-0247	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	17.72	2.62
26 27 26 00-0248	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	21.26	2.85
26 27 26 00-0249		**Chrome Wall Plates** *(26 27 26 00-0213)*		
26 27 26 00-0250	EA	1 Gang 0.040" Chrome Switch Plate With Chromium Finish	21.55	2.03
26 27 26 00-0251	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish	39.62	2.35
26 27 26 00-0252	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish	57.64	2.62
26 27 26 00-0253	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	21.54	2.03
26 27 26 00-0254		**Weatherproof Covers** *(26 27 26 00-0212)*		
26 27 26 00-0255		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0256	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	7.98	0.45
26 27 26 00-0257	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	8.63	0.45
26 27 26 00-0258	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	8.63	0.45
26 27 26 00-0259	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	8.63	0.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0260	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	10.62	0.68
26 27 26 00-0261	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	12.03	0.68
26 27 26 00-0262	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	12.18	0.68
26 27 26 00-0263	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	12.18	0.68
26 27 26 00-0264	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	16.49	0.68
26 27 26 00-0265	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	15.70	0.90
26 27 26 00-0266	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	17.14	0.90
26 27 26 00-0267		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0268	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	9.74	0.45
26 27 26 00-0269	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	30.84	0.45
26 27 26 00-0270	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	34.57	0.45
26 27 26 00-0271	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	9.67	0.45
26 27 26 00-0272	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	26.16	0.45
26 27 26 00-0273	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	43.44	0.45
26 27 26 00-0274	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	55.26	0.45
26 27 26 00-0275	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	12.18	0.68
26 27 26 00-0276	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	87.29	0.68
26 27 26 00-0277	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	20.33	0.90
26 27 26 00-0278	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	83.47	0.90
26 27 26 00-0279		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.35	0.45
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	4.25	0.45
26 27 26 00-0282	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	5.73	0.68
26 27 26 00-0283	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.19	0.68
26 27 26 00-0284	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	6.19	0.68
26 27 26 00-0285	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	6.86	0.68
26 27 26 00-0286		**Heavy Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0287	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	32.52	0.45
26 27 26 00-0288		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0289	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.70	0.45
26 27 26 00-0290	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.70	0.45
26 27 26 00-0291	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.70	0.45
26 27 26 00-0292	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.33	0.68
26 27 26 00-0293	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.33	0.68
26 27 26 00-0294		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0295	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	47.44	0.45
26 27 26 00-0296		**Non Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0254)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0297	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.76	0.45
26 27 26 00-0298	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	9.44	0.68
26 27 26 00-0299	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.79	0.45
26 27 26 00-0300	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	19.27	0.45
26 27 26 00-0301	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	22.32	0.45
26 27 26 00-0302	EA	20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	18.11	0.45
26 27 26 00-0303	EA	30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.52	0.45
26 27 26 00-0304	EA	50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	15.81	0.45
26 27 26 00-0305	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	14.14	0.45
26 27 26 00-0306	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	20.37	0.68
26 27 26 00-0307		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0308	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	59.33	
26 27 26 00-0309	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	7.52	
26 27 26 00-0310		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0311	EA	Single Pole Water Resistant In Line Midget Fuseholder	57.27	
26 27 26 00-0312	EA	Double Pole Water Resistant In Line Midget Fuseholder	119.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0313		Relay Systems *(26 27 26)*		
26 27 26 00-0314	EA	Relay 2 Position, 10 Amp, 24 Volt Coil	61.83	20.29
26 27 26 00-0315	EA	Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	248.41	67.64
26 27 26 00-0316	EA	Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	406.82	90.19
26 27 26 00-0317		Limit Switches *(26 27 26)*		
26 27 26 00-0318		Heavy Duty Precision Oiltight *(26 27 26 00-0317)*		
26 27 26 00-0319		Lever Arm, Plunger, Wobble Stick Type *(26 27 26 00-0318)*		
26 27 26 00-0320	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	329.12	56.82
26 27 73		**Door Chimes** *(26 27)*		
26 27 73 00-0001		Door Bell System *(26 27 73)*		
26 27 73 00-0002	EA	Door Bell, Push-button And Transformer - Complete	437.82	187.86
26 27 73 00-0003	EA	Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	148.45	45.09
26 27 73 00-0004	EA	Replacement Bell/Buzzer - Complete Note: Includes removal of existing.	64.23	22.55

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001		125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*		
26 28 13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.77	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.43	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.96	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.89	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.33	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.47	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.27	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.59	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.34	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.82	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.49	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0013		Class RK1, Time Delay Fuses *(26 28 13)*		
26 28 13 00-0014		250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0015	EA	1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.01	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0016	EA	2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	25.49	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0017	EA	3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.55	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0018	EA	4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.41	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0019	EA	5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	25.36	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0020	EA	10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.73	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0021	EA	15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.05	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0022	EA	20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	22.92	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0023	EA	25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.06	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0024	EA	30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	22.89	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0025	EA	35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	30.02	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0026	EA	40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.52	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0027	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.90	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0028	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.59	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0029	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.13	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	51.68	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0032	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	51.43	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0033	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	56.55	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0034	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	51.03	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0035	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	135.36	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0036	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	100.45	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0037	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	93.24	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0038	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	97.89	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0039	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	178.24	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0040	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	192.67	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0041	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	206.58	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0042	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	160.93	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0043	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	349.25	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0044	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	332.57	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0045	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	261.40	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.49	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0048	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	37.08	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0049	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.05	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0050	EA	4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.72	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0051	EA	5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.15	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0052	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.35	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0053	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.15	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0054	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.93	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0055	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.63	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0056	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.07	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0057	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.15	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0058	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.26	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0059	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.43	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0060	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.82	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0061	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.17	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	83.98	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0064	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	86.44	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0065	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	86.00	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0066	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	86.34	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0067	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	153.39	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0068	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	155.62	8.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 28 13 00-0069	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	155.04	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0070	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	154.67	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0071	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	288.29	11.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.31*	
26 28 13 00-0072	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	291.63	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0073	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	327.72	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0074	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	297.76	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0075	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	527.73	13.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 28 13 00-0076	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	472.99	16.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0077	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	413.92	16.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amp, 600 Volt AC, Class CC Midget Fuse	30.46	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0080	EA	2 Amp, 600 Volt AC, Class CC Midget Fuse	30.86	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0081	EA	3 Amp, 600 Volt AC, Class CC Midget Fuse	30.75	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0082	EA	5 Amp, 600 Volt AC, Class CC Midget Fuse	30.62	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0083	EA	6 Amp, 600 Volt AC, Class CC Midget Fuse	32.52	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0084	EA	8 Amp, 600 Volt AC, Class CC Midget Fuse	29.48	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0085	EA	10 Amp, 600 Volt AC, Class CC Midget Fuse	33.04	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0086	EA	15 Amp, 600 Volt AC, Class CC Midget Fuse	30.63	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0087	EA	20 Amp, 600 Volt AC, Class CC Midget Fuse	30.14	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0088	EA	25 Amp, 600 Volt AC, Class CC Midget Fuse	29.00	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 28 13 00-0089	EA	30 Amp, 600 Volt AC, Class CC Midget Fuse	29.96	6.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.52	4.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 28 13 00-0092	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.78	4.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 28 13 00-0093	EA	6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	32.59	5.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 28 13 00-0094	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	33.19	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 28 13 00-0095	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	33.82	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 28 13 00-0096	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	33.26	6.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 28 13 00-0097	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	42.59	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0098	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	36.29	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0099	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	59.83	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0100	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	51.72	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0101	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	58.59	9.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 28 13 00-0102	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	53.77	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0103	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	52.90	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0104	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	79.99	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 28 13 00-0105	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	84.81	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 28 13 00-0106	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.58	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	

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26 28 13 00-0107	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	75.31	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0108	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	165.11	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0109	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	141.58	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0110	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	136.58	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0111	EA	175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	138.46	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	116.57	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	280.27	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	259.84	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	240.18	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	261.10	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	218.42	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	451.86	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	386.35	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 28 13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	290.45	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	849.94	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	851.61	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	853.16	11.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	851.71	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 28 13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	785.01	13.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 28 13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	840.70	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	774.48	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	865.16	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	848.45	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 28 13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	756.92	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	777.01	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,029.61	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	753.28	18.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 28 13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,152.42	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	668.77	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	971.18	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	657.72	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	676.94	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,490.43	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,469.66	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,327.13	20.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 28 13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	834.91	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 28 13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,754.70	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 28 13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,128.09	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 28 13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,520.36	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 28 13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,580.69	22.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,694.68	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	
26 28 13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,488.99	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	
26 28 13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,046.10	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	
26 28 13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,345.77	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	
26 28 13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,693.55	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	
26 28 13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,104.72	24.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.88*	

26 28 16 Enclosed Switches And Circuit Breakers *(26 28)*

26 28 16 00-0001 Motor And Circuit Disconnects *(26 28 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 00-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*

26 28 16 00-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*

Note: Includes fuses and neutral bar.

26 28 16 00-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*

26 28 16 00-0005	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	313.29	90.19
26 28 16 00-0006	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	483.19	108.67
26 28 16 00-0007	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	657.91	127.16
26 28 16 00-0008	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,128.13	200.21
26 28 16 00-0009	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,366.99	311.14
26 28 16 00-0010	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,936.13	459.95
26 28 16 00-0011	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,345.69	541.10
26 28 16 00-0012	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,150.80	631.29

26 28 16 00-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*

26 28 16 00-0014	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	466.50	100.20
26 28 16 00-0015	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	562.79	120.76
26 28 16 00-0016	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	880.88	141.14
26 28 16 00-0017	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,306.36	222.76
26 28 16 00-0018	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,811.49	345.59
26 28 16 00-0019	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,374.93	510.81
26 28 16 00-0020	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,426.61	600.90
26 28 16 00-0021	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,746.88	701.45

26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*

26 28 16 00-0023	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	449.45	141.59
26 28 16 00-0024	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	656.42	188.04
26 28 16 00-0025	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	871.51	208.78
26 28 16 00-0026	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,377.65	326.92
26 28 16 00-0027	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,822.07	536.59
26 28 16 00-0028	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,556.20	751.69

26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0030	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	579.23	156.47
26 28 16 00-0031	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	738.91	208.78
26 28 16 00-0032	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,068.42	234.93
26 28 16 00-0033	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,576.53	358.04
26 28 16 00-0034	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,450.02	578.08
26 28 16 00-0035	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,525.16	835.11
26 28 16 00-0036	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,697.81	992.03
26 28 16 00-0037	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,078.82	1,127.31
26 28 16 00-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*		
26 28 16 00-0039	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	436.68	141.59
26 28 16 00-0040	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.92	188.04
26 28 16 00-0041	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	841.50	208.78
26 28 16 00-0042	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,418.93	326.92
26 28 16 00-0043	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,054.69	536.59
26 28 16 00-0044	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,906.16	751.69
26 28 16 00-0045	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,037.13	946.94
26 28 16 00-0046	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,886.86	1,082.22
26 28 16 00-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0003)*		
26 28 16 00-0048	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	626.07	156.47
26 28 16 00-0049	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	796.47	208.78
26 28 16 00-0050	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,152.58	234.93
26 28 16 00-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,702.52	358.04
26 28 16 00-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,718.83	578.08
26 28 16 00-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,999.91	835.11
26 28 16 00-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,486.01	992.03
26 28 16 00-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,930.24	1,127.31
26 28 16 00-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		
26 28 16 00-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0058	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	305.21	130.50
26 28 16 00-0059	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	469.97	181.54
26 28 16 00-0060	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.60	208.78
26 28 16 00-0061	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,003.25	334.05
26 28 16 00-0062	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,001.11	556.70
26 28 16 00-0063	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,242.27	759.17
26 28 16 00-0064	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,597.10	901.84
26 28 16 00-0065	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,043.34	1,052.54
26 28 16 00-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	337.10	144.03
26 28 16 00-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	531.82	203.73
26 28 16 00-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	722.13	231.96
26 28 16 00-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,121.30	363.09
26 28 16 00-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,152.87	596.48
26 28 16 00-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,585.73	835.02
26 28 16 00-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,078.92	901.84
26 28 16 00-0074	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,703.17	1,052.54
26 28 16 00-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0076	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	359.69	117.24
26 28 16 00-0077	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	545.76	163.24
26 28 16 00-0078	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	726.76	188.04
26 28 16 00-0079	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,143.41	300.77
26 28 16 00-0080	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,259.76	500.98
26 28 16 00-0081	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,606.48	683.14
26 28 16 00-0082	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,099.71	811.66
26 28 16 00-0083	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,916.37	946.94
26 28 16 00-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0085	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	392.86	129.42
26 28 16 00-0086	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	601.24	183.53
26 28 16 00-0087	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	793.58	208.78
26 28 16 00-0088	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,234.41	326.92
26 28 16 00-0089	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,421.16	536.59
26 28 16 00-0090	EA	600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,903.13	751.69
26 28 16 00-0091	EA	800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,418.29	811.66
26 28 16 00-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0093	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	416.63	129.60
26 28 16 00-0094	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	641.78	183.35
26 28 16 00-0095	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	859.50	208.78
26 28 16 00-0096	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,335.95	326.74
26 28 16 00-0097	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,563.19	536.77
26 28 16 00-0098	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,323.46	751.51
26 28 16 00-0099	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,898.32	811.66
26 28 16 00-0100	EA	1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,991.43	946.94
26 28 16 00-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0102	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	587.98	117.42
26 28 16 00-0103	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	716.97	163.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0104	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,079.89	187.86
26 28 16 00-0105	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,626.37	300.59
26 28 16 00-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0107	EA	30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	637.51	129.42
26 28 16 00-0108	EA	60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	784.71	183.53
26 28 16 00-0109	EA	100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,171.94	208.78
26 28 16 00-0110	EA	200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,751.89	326.92
26 28 16 00-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0056)*		
26 28 16 00-0112	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	703.67	129.60
26 28 16 00-0113	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	857.68	183.35
26 28 16 00-0114	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,303.16	208.78
26 28 16 00-0115	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,943.03	326.74
26 28 16 00-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 00-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0118	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	222.29	78.46
26 28 16 00-0119	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	299.15	94.42
26 28 16 00-0120	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	449.39	110.39
26 28 16 00-0121	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	822.51	174.15
26 28 16 00-0122	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,911.82	270.11
26 28 16 00-0123	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,542.82	399.79
26 28 16 00-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	311.79	123.28
26 28 16 00-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	436.81	163.42
26 28 16 00-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	591.68	181.54
26 28 16 00-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,043.33	284.17
26 28 16 00-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,306.93	466.80
26 28 16 00-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,053.71	653.47
26 28 16 00-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0116)*		
26 28 16 00-0132	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	342.65	123.28
26 28 16 00-0133	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	486.58	163.42
26 28 16 00-0134	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	636.97	181.54
26 28 16 00-0135	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,157.41	284.17
26 28 16 00-0136	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,501.94	466.80
26 28 16 00-0137	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,177.33	653.47

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0138			General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0002)*		
26 28 16 00-0139			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0138)*		
	26 28 16 00-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	304.34	109.12
	26 28 16 00-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	398.97	125.45
	26 28 16 00-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	875.49	200.48
	26 28 16 00-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,847.94	333.69
	26 28 16 00-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,161.05	454.72
26 28 16 00-0145			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0138)*		
	26 28 16 00-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	287.20	102.09
	26 28 16 00-0147	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	394.19	142.04
	26 28 16 00-0148	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	583.30	163.42
	26 28 16 00-0149	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	997.86	261.45
	26 28 16 00-0150	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,052.66	435.78
	26 28 16 00-0151	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,440.94	593.95
26 28 16 00-0152			NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0153			Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
	26 28 16 00-0155	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	451.91	105.97
	26 28 16 00-0156	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	706.09	127.16
	26 28 16 00-0157	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	879.09	147.90
	26 28 16 00-0158	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,289.56	225.46
	26 28 16 00-0159	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,806.94	360.74
	26 28 16 00-0160	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,872.74	481.14
	26 28 16 00-0161	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,249.97	541.10
	26 28 16 00-0162	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,580.35	631.29
26 28 16 00-0163			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
	26 28 16 00-0164	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	765.04	141.23
	26 28 16 00-0165	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	912.53	173.16
	26 28 16 00-0166	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,280.68	198.86
	26 28 16 00-0167	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,809.99	298.24
	26 28 16 00-0168	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,889.02	487.99
	26 28 16 00-0169	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,081.76	671.06
	26 28 16 00-0170	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,345.78	772.70
	26 28 16 00-0171	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,402.67	869.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0173	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	586.34	166.84
26 28 16 00-0174	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	917.07	220.95
26 28 16 00-0175	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,097.89	242.60
26 28 16 00-0176	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,632.95	375.62
26 28 16 00-0177	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,473.77	626.33
26 28 16 00-0178	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,729.76	835.11
26 28 16 00-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0180	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	879.54	197.78
26 28 16 00-0181	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,051.43	242.42
26 28 16 00-0182	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,393.38	278.31
26 28 16 00-0183	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,028.20	417.56
26 28 16 00-0184	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,210.46	683.24
26 28 16 00-0185	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,514.36	939.45
26 28 16 00-0186	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,560.59	1,082.22
26 28 16 00-0187	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,617.49	1,217.49
26 28 16 00-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0189	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	638.68	166.84
26 28 16 00-0190	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	918.59	220.95
26 28 16 00-0191	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,171.48	242.60
26 28 16 00-0192	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,682.04	375.62
26 28 16 00-0193	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,518.79	626.33
26 28 16 00-0194	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,225.03	835.11
26 28 16 00-0195	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,251.98	946.94
26 28 16 00-0196	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,749.06	1,082.22
26 28 16 00-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0153)*		
26 28 16 00-0198	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	909.57	197.96
26 28 16 00-0199	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,085.19	242.60
26 28 16 00-0200	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,468.42	278.22
26 28 16 00-0201	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,076.97	417.56
26 28 16 00-0202	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,386.81	683.14
26 28 16 00-0203	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,716.97	939.27
26 28 16 00-0204	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,198.58	1,082.22
26 28 16 00-0205	EA	1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,458.44	1,217.49
26 28 16 00-0206		Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0206)*		
26 28 16 00-0208	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	426.64	92.80
26 28 16 00-0209	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	689.62	128.51
26 28 16 00-0210	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	900.16	147.36
26 28 16 00-0211	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,210.60	238.63
26 28 16 00-0212	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,654.83	398.08
26 28 16 00-0213	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,782.06	530.73
26 28 16 00-0214	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,626.06	631.56
26 28 16 00-0215	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,033.40	721.74
26 28 16 00-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0206)*		
26 28 16 00-0217	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	479.68	102.27
26 28 16 00-0218	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	780.77	143.12
26 28 16 00-0219	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,014.98	161.61
26 28 16 00-0220	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,339.26	250.54
26 28 16 00-0221	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,002.60	417.56
26 28 16 00-0222	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,158.07	556.70
26 28 16 00-0223	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,129.35	661.59
26 28 16 00-0224	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,691.10	751.51
26 28 16 00-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0206)*		
26 28 16 00-0226	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	519.43	139.16
26 28 16 00-0227	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	818.08	192.73
26 28 16 00-0228	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,047.52	221.04
26 28 16 00-0229	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,449.18	357.95
26 28 16 00-0230	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,090.60	597.02
26 28 16 00-0231	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,386.62	795.88
26 28 16 00-0232	EA	800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,340.07	946.94
26 28 16 00-0233	EA	1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,989.79	1,082.22
26 28 16 00-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0206)*		
26 28 16 00-0235	EA	30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	565.05	153.32
26 28 16 00-0236	EA	60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	893.03	214.73
26 28 16 00-0237	EA	100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,133.55	242.42
26 28 16 00-0238	EA	200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,537.36	375.80
26 28 16 00-0239	EA	400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,284.43	626.24
26 28 16 00-0240	EA	600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,735.49	835.02
26 28 16 00-0241	EA	800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,890.50	992.03
26 28 16 00-0242	EA	1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,708.89	1,127.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0206)*		
26 28 16 00-0244	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	326.28	153.32
26 28 16 00-0245	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	923.92	214.73
26 28 16 00-0246	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,176.61	242.42
26 28 16 00-0247	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,589.77	375.80
26 28 16 00-0248	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,420.12	626.24
26 28 16 00-0249	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,714.76	835.02
26 28 16 00-0250	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,878.89	992.03
26 28 16 00-0251	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,693.08	1,127.31
26 28 16 00-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0252)*		
26 28 16 00-0254	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	284.75	92.17
26 28 16 00-0255	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	395.84	110.57
26 28 16 00-0256	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	515.55	128.60
26 28 16 00-0257	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,036.64	196.06
26 28 16 00-0258	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,485.42	313.67
26 28 16 00-0259	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,363.45	418.46
26 28 16 00-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0252)*		
26 28 16 00-0261	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	391.31	145.29
26 28 16 00-0262	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	559.34	192.19
26 28 16 00-0263	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	679.67	210.85
26 28 16 00-0264	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,298.69	326.74
26 28 16 00-0265	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,948.53	544.53
26 28 16 00-0266	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,985.32	726.34
26 28 16 00-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0252)*		
26 28 16 00-0268	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	434.55	145.20
26 28 16 00-0269	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	602.79	192.19
26 28 16 00-0270	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	819.38	210.85
26 28 16 00-0271	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,388.90	326.74
26 28 16 00-0272	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,006.48	544.62
26 28 16 00-0273	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,437.36	726.34
26 28 16 00-0274	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,704.90	822.84
26 28 16 00-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0152)*		
26 28 16 00-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0275)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0277	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	256.19	80.72
26 28 16 00-0278	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	413.10	111.74
26 28 16 00-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	437.48	128.15
26 28 16 00-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,059.82	207.43
26 28 16 00-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,550.72	346.13
26 28 16 00-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,451.51	461.48
26 28 16 00-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 00-0275)*		
26 28 16 00-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	399.39	121.03
26 28 16 00-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	572.93	167.56
26 28 16 00-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	822.71	192.19
26 28 16 00-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,408.55	311.23
26 28 16 00-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,142.15	90.19
26 28 16 00-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,372.11	108.67
26 28 16 00-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,770.66	126.98
26 28 16 00-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,839.63	200.39
26 28 16 00-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,776.72	310.96
26 28 16 00-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,182.30	459.77
26 28 16 00-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,445.11	100.20
26 28 16 00-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,609.83	120.67
26 28 16 00-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,996.77	141.05
26 28 16 00-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,242.37	222.76
26 28 16 00-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,083.09	345.77
26 28 16 00-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,594.52	510.81
26 28 16 00-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,295.69	141.77
26 28 16 00-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,627.07	187.86
26 28 16 00-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,058.69	208.78
26 28 16 00-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,357.09	326.74
26 28 16 00-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,465.12	536.77
26 28 16 00-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,076.03	751.51
26 28 16 00-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,561.72	156.56
26 28 16 00-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,790.21	208.78
26 28 16 00-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,192.77	234.84
26 28 16 00-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,524.38	357.86
26 28 16 00-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,749.47	578.08
26 28 16 00-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,453.88	835.02
26 28 16 00-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,540.42	141.77
26 28 16 00-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,933.01	187.86
26 28 16 00-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,670.87	208.78
26 28 16 00-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,194.22	326.74
26 28 16 00-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,112.70	536.77
26 28 16 00-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,340.19	751.51
26 28 16 00-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0289)*		
26 28 16 00-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,850.90	156.56
26 28 16 00-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,118.13	208.78
26 28 16 00-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,817.65	234.84
26 28 16 00-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,368.50	357.86
26 28 16 00-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,419.28	578.08
26 28 16 00-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,748.92	835.02
26 28 16 00-0332		Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0334	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,096.99	90.19
26 28 16 00-0335	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,340.07	125.45
26 28 16 00-0336	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,494.26	144.30
26 28 16 00-0337	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,470.02	230.51
26 28 16 00-0338	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,306.33	383.83
26 28 16 00-0339	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,023.91	522.89
26 28 16 00-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0341	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,246.59	99.47
26 28 16 00-0342	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,526.00	140.69
26 28 16 00-0343	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,841.42	160.35
26 28 16 00-0344	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,939.95	250.54
26 28 16 00-0345	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,154.57	412.33
26 28 16 00-0346	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,272.34	577.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0348	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,151.47	117.42
26 28 16 00-0349	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,398.54	163.42
26 28 16 00-0350	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,464.88	187.86
26 28 16 00-0351	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,806.88	300.59
26 28 16 00-0352	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,011.00	501.07
26 28 16 00-0353	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,607.31	683.24
26 28 16 00-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0355	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,306.71	129.60
26 28 16 00-0356	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,611.30	183.35
26 28 16 00-0357	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,938.27	208.78
26 28 16 00-0358	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,092.32	326.74
26 28 16 00-0359	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,135.18	536.77
26 28 16 00-0360	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,921.23	751.51
26 28 16 00-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0362	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,569.85	117.42
26 28 16 00-0363	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,889.28	163.42
26 28 16 00-0364	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,196.34	187.86
26 28 16 00-0365	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,405.78	300.59
26 28 16 00-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0332)*		
26 28 16 00-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,784.87	129.60
26 28 16 00-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,152.35	183.35
26 28 16 00-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,783.89	208.78
26 28 16 00-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,287.28	326.74
26 28 16 00-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0371)*		
26 28 16 00-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,077.50	156.47
26 28 16 00-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,377.37	208.78
26 28 16 00-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,230.22	234.93
26 28 16 00-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,522.16	358.04
26 28 16 00-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0371)*		
26 28 16 00-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,940.20	129.42
26 28 16 00-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,234.89	183.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0380	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,994.90	208.78
26 28 16 00-0381	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,443.42	326.92
26 28 16 00-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0288)*		
26 28 16 00-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0382)*		
26 28 16 00-0384	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,368.67	156.47
26 28 16 00-0385	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,703.18	208.78
26 28 16 00-0386	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,846.38	234.93
26 28 16 00-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0382)*		
26 28 16 00-0388	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,215.70	129.42
26 28 16 00-0389	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,543.38	183.53
26 28 16 00-0390	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,586.32	208.78
26 28 16 00-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 00-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 00-0391)* Note: With fuses and neutral bar.		
26 28 16 00-0393	EA	30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,890.68	180.37
26 28 16 00-0394	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,959.39	214.73
26 28 16 00-0395	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,372.70	242.42
26 28 16 00-0396	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,992.44	375.80
26 28 16 00-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0391)*		
26 28 16 00-0398	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,491.37	214.73
26 28 16 00-0399	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,742.63	242.42
26 28 16 00-0400	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,182.24	375.80
26 28 16 00-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0001)*		
26 28 16 00-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0401)* Note: With fuses and neutral bar.		
26 28 16 00-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	434.38	90.19
26 28 16 00-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	564.47	108.67
26 28 16 00-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	763.74	127.16
26 28 16 00-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,283.94	200.21
26 28 16 00-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,704.32	311.14
26 28 16 00-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,851.61	459.95
26 28 16 00-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	669.42	100.11
26 28 16 00-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	695.53	120.85
26 28 16 00-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	991.85	141.14
26 28 16 00-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,552.42	222.76
26 28 16 00-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,344.27	345.41
26 28 16 00-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,562.49	510.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	608.73	141.59
26 28 16 00-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	840.62	188.04
26 28 16 00-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,132.99	208.78
26 28 16 00-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,689.03	326.92
26 28 16 00-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,283.56	536.59
26 28 16 00-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,237.87	751.69
26 28 16 00-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	800.91	156.47
26 28 16 00-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	916.54	208.78
26 28 16 00-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,328.93	234.93
26 28 16 00-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,938.91	358.04
26 28 16 00-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,011.49	578.08
26 28 16 00-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,470.70	835.11
26 28 16 00-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	647.55	141.59
26 28 16 00-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	867.29	188.04
26 28 16 00-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,216.70	208.78
26 28 16 00-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,794.13	326.92
26 28 16 00-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,564.98	536.59
26 28 16 00-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,427.98	751.69
26 28 16 00-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0402)*		
26 28 16 00-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	845.92	156.47
26 28 16 00-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,036.61	208.78
26 28 16 00-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,411.48	234.93
26 28 16 00-0442	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,096.49	358.04
26 28 16 00-0443	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,266.63	578.08
26 28 16 00-0444	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,680.81	835.11
26 28 16 00-0445		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0401)*		
26 28 16 00-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0447	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	453.27	130.32
26 28 16 00-0448	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	602.84	181.72
26 28 16 00-0449	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	792.81	208.78
26 28 16 00-0450	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,138.04	334.14
26 28 16 00-0451	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,466.43	556.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0452	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,880.55	759.35
26 28 16 00-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0454	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	504.94	143.85
26 28 16 00-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	670.37	203.82
26 28 16 00-0456	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	883.48	231.78
26 28 16 00-0457	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,236.53	363.00
26 28 16 00-0458	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,613.32	596.57
26 28 16 00-0459	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,287.36	835.11
26 28 16 00-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0461	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	584.12	117.24
26 28 16 00-0462	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	770.97	163.24
26 28 16 00-0463	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,018.37	188.04
26 28 16 00-0464	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,462.55	300.77
26 28 16 00-0465	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,044.29	500.98
26 28 16 00-0466	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,774.40	683.14
26 28 16 00-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0468	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	575.83	129.42
26 28 16 00-0469	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	835.61	183.53
26 28 16 00-0470	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,092.88	208.78
26 28 16 00-0471	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,452.69	326.92
26 28 16 00-0472	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,065.96	536.59
26 28 16 00-0473	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,667.83	751.69
26 28 16 00-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0475	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	695.20	117.24
26 28 16 00-0476	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	834.14	163.24
26 28 16 00-0477	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,277.14	188.04
26 28 16 00-0478	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,025.95	300.77
26 28 16 00-0479	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,620.26	383.29
26 28 16 00-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 00-0445)*		
26 28 16 00-0481	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	724.41	129.42
26 28 16 00-0482	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	910.65	183.53
26 28 16 00-0483	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,366.78	208.78
26 28 16 00-0484	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,086.78	326.92
26 28 16 00-0485	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,878.29	505.04
26 28 16 00-0486		Double Throw Safety Switches *(26 28 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0486)*		
26 28 16 00-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0489	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	546.10	115.89
26 28 16 00-0490	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	800.73	151.51
26 28 16 00-0491	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,118.76	197.96
26 28 16 00-0492	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,489.91	257.48
26 28 16 00-0493	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,505.16	321.96
26 28 16 00-0494	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,355.95	516.30
26 28 16 00-0495		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0496	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	693.93	162.33
26 28 16 00-0497	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	964.23	211.94
26 28 16 00-0498	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,438.76	277.32
26 28 16 00-0499	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,098.74	360.74
26 28 16 00-0500	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,832.19	450.93
26 28 16 00-0501	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,770.98	721.47
26 28 16 00-0502		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0503	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	918.18	202.92
26 28 16 00-0504	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,326.74	265.15
26 28 16 00-0505	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,317.26	346.31
26 28 16 00-0506	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,167.00	450.03
26 28 16 00-0507	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,279.46	563.65
26 28 16 00-0508	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,001.86	903.20
26 28 16 00-0509		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0510	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	917.79	151.51
26 28 16 00-0511	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,371.06	197.96
26 28 16 00-0512	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,010.79	257.48
26 28 16 00-0513	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,656.63	321.96
26 28 16 00-0514	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,895.42	516.30
26 28 16 00-0515		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0516	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,038.51	211.94
26 28 16 00-0517	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,529.35	277.32
26 28 16 00-0518	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,216.42	360.74
26 28 16 00-0519	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,914.34	450.93
26 28 16 00-0520	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,306.94	721.47
26 28 16 00-0521		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0487)*		
26 28 16 00-0522	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,400.05	265.15
26 28 16 00-0523	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,423.10	346.31
26 28 16 00-0524	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,386.04	450.03
26 28 16 00-0525	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,745.98	563.65
26 28 16 00-0526	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,523.92	903.20
26 28 16 00-0527		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0486)*		
26 28 16 00-0528		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0529	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,384.06	197.96
26 28 16 00-0530	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,118.24	257.48
26 28 16 00-0531	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,064.69	321.96
26 28 16 00-0532	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,323.55	516.30
26 28 16 00-0533		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0534	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,819.19	276.87
26 28 16 00-0535	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,912.25	360.29
26 28 16 00-0536	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,411.16	450.93
26 28 16 00-0537	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,380.79	722.83

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0538		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0539	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,735.16	203.01
26 28 16 00-0540	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,155.51	264.96
26 28 16 00-0541	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,015.12	346.22
26 28 16 00-0542	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,346.18	450.21
26 28 16 00-0543	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,322.07	563.65
26 28 16 00-0544	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,611.27	903.29
26 28 16 00-0545		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0546	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,169.16	151.51
26 28 16 00-0547	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,770.22	197.96
26 28 16 00-0548	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,193.24	257.48
26 28 16 00-0549	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,094.88	321.96
26 28 16 00-0550	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,169.76	516.30
26 28 16 00-0551		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0552	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,336.07	211.94
26 28 16 00-0553	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,001.01	276.87
26 28 16 00-0554	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,539.82	360.29
26 28 16 00-0555	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,639.50	450.93
26 28 16 00-0556	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,956.44	722.83
26 28 16 00-0557		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0527)*		
26 28 16 00-0558	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,172.47	264.96
26 28 16 00-0559	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,022.89	346.22
26 28 16 00-0560	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,454.22	450.21
26 28 16 00-0561	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,309.32	563.65
26 28 16 00-0562	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,681.59	903.29
26 28 16 00-0563		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0486)*		
26 28 16 00-0564		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0563)*		
26 28 16 00-0565	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,375.32	115.98
26 28 16 00-0566	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,563.56	151.42
26 28 16 00-0567	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,776.79	197.87
26 28 16 00-0568	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,438.46	257.30
26 28 16 00-0569	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,510.84	322.05
26 28 16 00-0570	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,627.98	516.12
26 28 16 00-0571		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0563)*		
26 28 16 00-0572	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,588.76	162.33
26 28 16 00-0573	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,884.88	211.94
26 28 16 00-0574	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,244.09	276.87
26 28 16 00-0575	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,121.35	360.29
26 28 16 00-0576	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,630.51	450.93
26 28 16 00-0577	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,476.37	722.83
26 28 16 00-0578		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0563)*		
26 28 16 00-0579	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,362.30	203.01
26 28 16 00-0580	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,771.72	264.96
26 28 16 00-0581	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,795.27	346.22
26 28 16 00-0582	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,150.29	450.21
26 28 16 00-0583	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,456.79	563.65
26 28 16 00-0584	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,807.44	903.29
26 28 16 00-0585		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 00-0563)*		
26 28 16 00-0586	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,048.97	151.42
26 28 16 00-0587	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,165.63	197.87
26 28 16 00-0588	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,072.35	257.30
26 28 16 00-0589	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,862.62	322.05
26 28 16 00-0590	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,896.11	516.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0591		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0563)*		
26 28 16 00-0592	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,262.00	211.94
26 28 16 00-0593	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,417.16	276.87
26 28 16 00-0594	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,465.06	360.29
26 28 16 00-0595	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,394.79	450.93
26 28 16 00-0596	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,668.08	722.83
26 28 16 00-0597		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 00-0563)*		
26 28 16 00-0598	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,799.38	264.96
26 28 16 00-0599	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,999.26	346.22
26 28 16 00-0600	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,270.53	450.21
26 28 16 00-0601	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,715.59	563.65
26 28 16 00-0602	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,150.48	903.29
26 28 16 00-0603		**Removal And Reinstallation Of Disconnect Switches** *(26 28 16 00-0001)* Note: Includes storage and cleaning.		
26 28 16 00-0604	EA	Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	450.93	
26 28 16 00-0605	EA	Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	586.23	
26 28 16 00-0606	EA	Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	653.89	
26 28 16 00-0607	EA	Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	766.62	
26 28 16 00-0608		**Bolted Contact Switches** *(26 28 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0609		**Electrical Trip, Bolted Contact Switches** *(26 28 16 00-0608)*		
26 28 16 00-0610		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 00-0609)*		
26 28 16 00-0611	EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	5,728.01	901.84
26 28 16 00-0612	EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	6,257.12	1,082.22
26 28 16 00-0613	EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	6,854.22	1,262.59
26 28 16 00-0614	EA	2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	7,295.91	1,442.96
26 28 16 00-0615	EA	2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	8,236.23	1,623.32
26 28 16 00-0616	EA	3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	10,206.19	1,803.69
26 28 16 00-0617	EA	4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	13,615.11	2,164.43
26 28 16 00-0618		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 00-0609)*		
26 28 16 00-0619	EA	800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	6,042.08	901.84
26 28 16 00-0620	EA	1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,632.71	1,082.22
26 28 16 00-0621	EA	1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	7,226.58	1,262.59
26 28 16 00-0622	EA	2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	7,830.16	1,442.96
26 28 16 00-0623	EA	2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	8,812.57	1,623.32
26 28 16 00-0624	EA	3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	11,287.64	1,803.69
26 28 16 00-0625	EA	4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	14,741.90	2,164.43
26 28 16 00-0626		**Manually Operated, Bolted Contact Switches** *(26 28 16 00-0608)*		
26 28 16 00-0627		**Top Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 00-0626)*		
26 28 16 00-0628	EA	800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	4,316.29	901.84
26 28 16 00-0629	EA	1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	4,862.24	1,082.22
26 28 16 00-0630	EA	1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	5,434.73	1,262.59
26 28 16 00-0631	EA	2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	6,003.35	1,442.96
26 28 16 00-0632	EA	2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	6,604.34	1,623.32
26 28 16 00-0633	EA	3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	8,574.30	1,803.69
26 28 16 00-0634	EA	4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	11,944.37	2,164.43
26 28 16 00-0635		**Bottom Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 00-0626)*		
26 28 16 00-0636	EA	800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	4,524.16	901.84
26 28 16 00-0637	EA	1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	5,176.31	1,082.22
26 28 16 00-0638	EA	1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	5,739.09	1,262.59
26 28 16 00-0639	EA	2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	6,405.49	1,442.96
26 28 16 00-0640	EA	2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	7,109.45	1,623.32
26 28 16 00-0641	EA	3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	9,574.80	1,803.69
26 28 16 00-0642	EA	4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	12,993.44	2,164.43

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0002		**Fractional HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	170.85	45.16
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.23*	
		For Oversized Enclosure, Add	*22.47*	
		For Pilot Light, Add	*32.96*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	223.80	58.71
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.23*	
		For Oversized Enclosure, Add	*22.47*	
		For Pilot Light, Add	*32.96*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	193.32	45.16
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.23*	
		For Oversized Enclosure, Add	*22.47*	
		For Pilot Light, Add	*32.96*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	246.27	58.71
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-2.23*	
		For Oversized Enclosure, Add	*22.47*	
		For Pilot Light, Add	*32.96*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	180.59	45.16
		For Oversized Enclosure, Add	*22.47*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	236.53	58.71
		For Oversized Enclosure, Add	*22.47*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	364.19	54.19
		For Pilot Light, Add	*86.14*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	419.38	67.74
		For Pilot Light, Add	*86.14*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	386.66	54.19
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	439.60	67.74
26 29 13 13-0013		**Non Reversing Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	138.02	45.16
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	225.11	58.71
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	155.72	49.68
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	243.54	63.23
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	158.98	45.16
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	246.79	58.71
		For Oversize Enclosure, Add	*10.84*	
		For Pilot Light, Add	*52.04*	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	335.34	54.19
		For Pilot Light, Add	*82.39*	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	414.46	67.74
		For Pilot Light, Add	*82.39*	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	353.76	58.71
		For Pilot Light, Add	*82.39*	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	430.73	72.26
		For Pilot Light, Add	*82.39*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	355.57	54.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	440.48	67.74
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	100.81	31.61
		For Pilot Light, Add	*52.04*	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	187.89	45.16
		For Pilot Light, Add	*52.04*	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	118.52	36.13
		For Pilot Light, Add	*52.04*	
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	205.59	49.68
		For Pilot Light, Add	*52.04*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	370.01	81.29
		For Pilot Light, Add	*83.84*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	535.51	108.39
		For Pilot Light, Add	*83.84*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	370.01	81.29
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	535.51	108.39

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	338.36	54.19
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	338.36	54.19
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	697.98	63.23
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	697.98	63.23
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	910.70	63.23
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	430.57	63.23
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	288.79	40.65
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	401.32	58.71
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	401.32	58.71
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	835.09	67.74
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	835.09	67.74
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,064.30	67.74
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	493.53	67.74
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	351.75	45.16
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	526.45	63.23
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	526.45	63.23
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	992.44	72.26
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	992.44	72.26
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,211.91	72.26
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	620.92	72.26
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	479.12	49.68
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	419.01	67.74
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	419.01	67.74
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	778.64	76.77
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	778.64	76.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	997.36	76.77
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	511.98	76.77
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	371.70	54.19
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	481.98	72.26
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	481.98	72.26
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	915.76	81.29
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	915.76	81.29
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,150.20	81.29
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	574.20	81.29
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	432.41	58.71
26 29 13 13-0072		Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	975.06	94.84
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	975.06	94.84
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	857.20	67.74
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,152.67	103.87
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,034.81	76.77
26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	975.06	94.84
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	857.20	67.74
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,152.67	103.87
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,034.81	76.77
26 29 13 13-0083		Magnetic Contactors/Starters *(26 29 13 13)*		
26 29 13 13-0084		Non Reversing, Magnetic Contactors *(26 29 13 13-0083)*		
26 29 13 13-0085		Open Enclosure, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	395.62	90.32
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	445.14	99.35
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	427.08	90.32
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	477.35	99.35
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	526.87	108.39
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	665.71	135.48
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	837.50	162.58
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	497.58	99.35
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	547.10	108.39
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	598.12	117.42
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	764.80	158.06
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	935.84	185.16
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	836.22	108.39
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	931.62	135.48
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,214.44	180.65
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,252.21	135.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,428.67	180.65
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	1,817.10	225.81
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	2,590.55	270.97
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	2,820.07	225.81
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,102.89	270.97
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	4,195.42	316.13
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	5,674.33	270.97
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	6,303.64	361.29
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	16,318.52	541.93
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	23,368.84	812.89

26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	418.84	90.32
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	468.36	99.35
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	450.30	90.32
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	501.32	99.35
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	550.84	108.39
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	691.18	135.48
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	863.72	162.58
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	522.29	99.35
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	573.31	108.39
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	622.84	117.42
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	790.27	158.06
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	960.56	185.16
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	947.08	108.39
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	1,043.23	135.48
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,325.30	180.65
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,470.18	135.48
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,645.89	180.65
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	2,035.07	225.81
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	3,271.73	225.81
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	3,554.56	270.97
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	7,126.84	361.29
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	19,938.62	541.93
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	26,999.42	812.89

26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	629.41	99.35
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	678.93	108.39
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	750.93	117.42
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,180.78	108.39
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,277.68	135.48
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,747.32	135.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,922.28	180.65
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	4,472.13	270.97
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	9,475.07	361.29
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	22,817.92	541.93
26 29 13 13-0147		NEMA 4/4X, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	924.61	108.39
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	957.57	108.39
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	1,007.10	117.42
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,174.53	158.06
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	1,811.74	135.48
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	2,733.49	180.65
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	5,411.42	270.97
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	9,475.07	361.29
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	25,271.76	541.93
26 29 13 13-0157		NEMA 7/9, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	1,839.54	144.52
26 29 13 13-0159		Non Reversing, Magnetic Starters *(26 29 13 13-0083)*		
26 29 13 13-0160		Open Enclosure, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	469.78	90.32
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	487.84	99.35
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	524.54	99.35
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	580.05	108.39
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	931.13	162.58
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	596.53	108.39
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	699.24	117.42
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	730.70	117.42
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	904.39	108.39
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1)	1,028.25	135.48
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	1,588.21	180.65
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	3,348.57	270.97
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1)	7,577.76	361.29
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2)	17,379.91	541.93
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	25,040.69	812.89
26 29 13 13-0176		NEMA 1, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	494.50	90.32
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12)	512.56	99.35
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	549.26	99.35
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2)	604.77	108.39
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	620.50	108.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	676.77	117.42
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	756.17	117.42
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	1,015.99	108.39
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	1,139.85	135.48
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	1,806.18	180.65
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	3,800.24	270.97
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	8,403.20	361.29

26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	677.34	99.35
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	732.86	108.39
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	748.59	108.39
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	804.86	117.42
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	884.26	117.42
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,250.44	108.39
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,373.55	135.48
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,082.58	180.65
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	4,717.06	270.97
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	10,749.18	361.29
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	25,597.59	541.93

26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	677.34	99.35
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	732.86	108.39
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	748.59	108.39
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	804.86	117.42
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	884.26	117.42
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,250.44	108.39
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,373.55	135.48
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,082.58	180.65
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	4,717.06	270.97

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	1,917.53	153.55
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	2,353.47	153.55
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	2,425.46	162.58
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	3,752.18	180.65
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	4,525.62	225.81
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	7,207.30	316.13

26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	922.28	99.35

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	978.54	108.39
	26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	1,004.76	108.39
	26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	1,061.03	117.42
	26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	1,140.43	117.42
	26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	1,783.01	108.39
	26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,893.04	180.65
	26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	5,655.61	270.97
	26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	12,553.61	361.29
	26 29 13 13-0228		NEMA 4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
			Note: Glass polyester enclosure.		
	26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,908.36	135.48
	26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	3,526.72	180.65
	26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	6,934.96	270.97
	26 29 13 13-0232		NEMA 7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
			Note: Bolted cast iron enclosure.		
	26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	1,855.27	144.52
	26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,917.53	153.55
	26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	1,944.49	153.55
	26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	2,003.75	162.58
	26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	2,095.13	162.58
	26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	3,075.05	180.65
	26 29 13 13-0239		Reversing, Magnetic Starters *(26 29 13 13-0083)*		
	26 29 13 13-0240		Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*		
	26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	881.26	117.42
	26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	928.45	117.42
	26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,027.40	126.45
	26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,066.45	135.48
	26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,092.66	135.48
	26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,169.15	144.52
	26 29 13 13-0247	EA	Size 1, 1 Phase, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,218.72	158.06
	26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,245.68	158.06
	26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,120.78	180.65
	26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	3,464.67	270.97
	26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	7,951.21	406.45
	26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	14,797.98	541.93
	26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	47,865.60	993.54
	26 29 13 13-0254		NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*		
	26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	908.13	108.39
	26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	948.67	117.42
	26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	975.64	117.42
	26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,072.35	126.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,112.89	135.48
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,139.85	135.48
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,236.56	144.52
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,286.13	158.06
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,313.10	158.06
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,296.05	180.65
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	3,768.03	270.97
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	8,508.50	406.45

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,304.64	135.48
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,331.61	135.48
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,504.85	158.06
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,616.64	180.65

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,629.72	135.48
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,919.68	144.52

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	121.66	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	206.23	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	121.66	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	206.23	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	206.23	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	102.62	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	91.52	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	121.66	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	102.62	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	137.04	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	153.02	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	263.21	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	279.43	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	334.35	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	582.91	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	582.91	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	35.85	6.77
		For Factory Installed Accessory, Deduct	*-13.55*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	72.73	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	96.04	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	75.54	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	42.00	6.77
		For Factory Installed Accessory, Deduct	*-13.55*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	25.77	6.77
		For Factory Installed Accessory, Deduct	*-13.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	133.37	9.03
		For Factory Installed Accessory, Deduct	*-18.06*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	230.14	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0300		Definite Purpose Starters *(26 29 13 13)*		
26 29 13 13-0301		Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	439.23	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	438.49	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	474.53	117.42
		For Factory Installed Accessory, Deduct	*-234.84*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	466.20	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	506.74	117.42
		For Factory Installed Accessory, Deduct	*-234.84*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	490.17	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	569.84	135.48
		For Factory Installed Accessory, Deduct	*-270.97*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	632.01	135.48
		For Factory Installed Accessory, Deduct	*-270.97*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	794.02	158.06
		For Factory Installed Accessory, Deduct	*-316.13*	
26 29 13 13-0311		NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*		
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	447.39	99.35
		For Factory Installed Accessory, Deduct	*-198.71*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	483.43	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	481.93	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	520.22	117.42
		For Factory Installed Accessory, Deduct	*-234.84*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	510.39	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	551.68	117.42
		For Factory Installed Accessory, Deduct	*-234.84*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	535.86	108.39
		For Factory Installed Accessory, Deduct	*-216.77*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	614.78	135.48
		For Factory Installed Accessory, Deduct	*-270.97*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	674.70	135.48
		For Factory Installed Accessory, Deduct	*-270.97*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	837.46	158.06
		For Factory Installed Accessory, Deduct	*-316.13*	
26 29 13 13-0322		Definite Purpose Starter Accessory *(26 29 13 13-0300)*		
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	137.04	11.29
		For Factory Installed Accessory, Deduct	*-22.58*	
26 29 13 13-0324		Panel Mounted Miniature Contactor *(26 29 13 13)*		
26 29 13 13-0325		Non Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	133.02	45.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	155.53	49.68
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	155.53	49.68
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	172.81	54.19
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	146.50	45.16
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	153.99	45.16
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	168.26	49.68
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	175.75	49.68
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	172.76	49.68
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	175.75	49.68
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	187.79	54.19
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	180.25	49.68
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	195.28	54.19
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	181.74	49.68
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	181.74	49.68
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	202.77	54.19
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	202.77	54.19

26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	187.69	45.16
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	202.68	45.16
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	224.44	49.68
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	224.44	49.68
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	239.42	49.68
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	251.46	54.19
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	251.46	54.19
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	215.41	45.16
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	230.39	45.16
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	250.66	49.68
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	265.64	49.68

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	282.17	54.19
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	297.15	54.19
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	242.42	49.68
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	277.62	49.68
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	313.63	54.19

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	56.92	22.58
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	62.70	22.58
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	73.18	22.58
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	94.01	22.58

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	5,836.86	432.89
		For NEMA 4, Add	*619.09*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	10,202.67	577.18
		For NEMA 4, Add	*1,130.81*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	17,877.59	685.40
		For NEMA 4, Add	*2,063.90*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	43,639.64	838.71
		For NEMA 4, Add	*5,246.20*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	69,637.52	1,073.20
		For NEMA 4, Add	*8,436.28*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	5,795.61	442.09
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	10,127.32	578.08
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	17,740.06	683.24
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	43,290.06	835.02
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	69,075.36	1,073.65

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	145.86	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	160.87	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	273.82	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	148.78	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	213.93	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	106.96	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	349.12	

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	7,215.29	

26 29 13 13-0395 Factory Modifications Addition *(26 29 13 13-0365)*

Note: For reversing service auto transformer type.

26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volts, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,317.88	207.43
		For Electronic Overloads, Add	*171.07*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,603.34	324.67
		For Electronic Overloads, Add	*180.47*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,255.44	378.78
		For Electronic Overloads, Add	*285.74*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,442.63	468.96
		For Electronic Overloads, Add	*475.61*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,331.40	748.53
		For Electronic Overloads, Add	*917.38*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	12,719.47	937.92
		For Electronic Overloads, Add	*2,059.72*	
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,674.07	207.43
		For Electronic Overloads, Add	*238.74*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,959.53	324.67
		For Electronic Overloads, Add	*248.14*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,601.74	378.78
		For Electronic Overloads, Add	*351.54*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,630.61	468.96
		For Electronic Overloads, Add	*511.33*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,409.85	748.53
		For Electronic Overloads, Add	*1,122.29*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,578.86	937.92
		For Electronic Overloads, Add	*2,603.00*	
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	162.20	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	380.98	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	262.94	
26 29 13 13-0420		**NEMA 4 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,406.89	270.56
		For Electronic Overloads, Add	*351.54*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,651.21	378.78
		For Electronic Overloads, Add	*360.94*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,803.28	414.85
		For Electronic Overloads, Add	*563.96*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,057.93	505.04
		For Electronic Overloads, Add	*960.62*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,596.45	748.53
		For Electronic Overloads, Add	*1,537.74*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	21,050.29	937.92
		For Electronic Overloads, Add	*3,642.58*	
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,763.07	270.56
		For Electronic Overloads, Add	*419.21*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,007.39	378.78
		For Electronic Overloads, Add	*428.61*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,149.57	414.85
		For Electronic Overloads, Add	*629.76*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,245.92	505.04
		For Electronic Overloads, Add	*996.34*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,674.90	748.53
		For Electronic Overloads, Add	*1,742.65*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,932.26	937.92
		For Electronic Overloads, Add	*3,430.15*	
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	162.23	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	380.98	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	262.94	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0438		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,362.90	208.78
		For Electronic Overloads, Add	*179.62*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,650.83	326.74
		For Electronic Overloads, Add	*189.49*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,330.63	375.80
		For Electronic Overloads, Add	*300.03*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,567.78	469.69
		For Electronic Overloads, Add	*499.39*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,572.81	751.60
		For Electronic Overloads, Add	*963.25*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,261.49	939.36
		For Electronic Overloads, Add	*2,162.70*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,788.21	208.78
		For Electronic Overloads, Add	*260.43*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,078.17	326.74
		For Electronic Overloads, Add	*270.69*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,769.80	375.80
		For Electronic Overloads, Add	*383.47*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,875.07	469.69
		For Electronic Overloads, Add	*557.77*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,946.41	751.60
		For Electronic Overloads, Add	*1,224.23*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	16,823.34	939.36
		For Electronic Overloads, Add	*2,839.46*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	160.88	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	377.81	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	260.75	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,148.32	432.89
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,264.57	577.18
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,650.54	793.62
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,902.07	1,082.22
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,390.37	1,515.11
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	964.65	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	964.65	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	964.65	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,629.63	270.56
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,896.33	378.78
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,748.62	414.85
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,172.98	505.04
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	8,144.31	748.53
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,817.57	270.56
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,096.94	378.78
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,983.47	414.85
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,849.66	505.04
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,779.54	748.53
26 29 13 13-0480		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,738.92	278.40
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,012.93	375.80
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,943.53	417.56
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,495.96	501.07
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	8,820.76	751.60
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,945.99	278.40
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,233.98	375.80
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,202.30	417.56
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,139.71	501.07
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,520.69	751.60
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,821.31	577.18
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,112.07	721.47
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,906.36	937.92
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,380.95	1,226.51
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	17,088.42	1,659.39
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,290.55	162.33
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,553.52	162.33
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	644.17	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Auxiliary Contact, Normally Open	385.12	90.19
26 29 13 13-0506	EA	Auxiliary Contact, Normally Closed	385.12	90.19
26 29 13 13-0507	EA	Pilot Light Kit	405.78	90.19

26 29 23 Variable-Frequency Motor Controllers *(26 29)*

26 29 23 00-0001		208/230 Volt Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,430.77	186.02
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	1,601.77	186.02
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,857.77	186.02
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,025.77	186.02
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,133.77	186.02
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	2,201.93	186.02
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	2,455.19	279.57
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	2,986.75	279.57
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	3,616.43	371.92
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	4,182.26	371.92
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	5,204.28	465.49
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	6,477.92	465.49
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	7,898.90	546.57
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	8,884.37	653.48
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	10,055.37	653.48
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	11,844.37	653.48
26 29 23 00-0018		460/480 Volt Variable Frequency Drives *(26 29 23)* Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,924.98	163.31
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,066.77	186.02
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,202.19	279.57
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,444.68	279.58
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,085.43	371.92
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,605.55	371.94
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,526.28	465.51
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,163.92	465.49
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,189.90	546.57
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,327.37	653.48
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,505.23	698.69
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,622.08	743.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,488.60	788.89
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,614.89	833.21
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,662.55	930.94
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	21,032.51	1,020.67
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	27,044.52	1,110.91
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,844.39	1,301.86
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,978.65	1,474.69
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,284.78	1,666.41
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,730.18	1,872.33

26 30 Facility Electrical Power Generating And Storing Equipment
(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Photovoltaic Collectors *(26 31)*
Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidlines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0002)*

26 31 00 00-0004	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	1,174.72	85.68
		For >50, Deduct	*-100.34*	
26 31 00 00-0005	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	1,229.11	85.68
		For >50, Deduct	*-105.78*	
26 31 00 00-0006	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	1,153.38	85.68
		For >50, Deduct	*-98.20*	

26 31 00 00-0007 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0002)*

26 31 00 00-0008	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	929.81	85.68
		For >50, Deduct	*-75.85*	
26 31 00 00-0009	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,051.21	85.68
		For >50, Deduct	*-87.99*	
26 31 00 00-0010	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,070.45	85.68
		For >50, Deduct	*-89.91*	
26 31 00 00-0011	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,010.35	85.68
		For >50, Deduct	*-83.90*	

26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0002)*
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	482.61	85.68
		For >50, Deduct	*-31.13*	
26 31 00 00-0014	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	584.78	85.68
		For >50, Deduct	*-41.34*	
26 31 00 00-0015	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	625.65	85.68
		For >50, Deduct	*-45.43*	

26 31 00 00-0016 Photovoltaic Inverters *(26 31)*

26 31 00 00-0017 Fronius Photovoltaic Inverters *(26 31 00 00-0016)*

26 31 00 00-0018	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,735.93	90.19
26 31 00 00-0019	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	3,592.90	90.19
26 31 00 00-0020	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	3,789.79	90.19
26 31 00 00-0021	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,231.52	90.19
26 31 00 00-0022	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,671.43	90.19
26 31 00 00-0023	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,746.96	90.19
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	6,368.15	180.37
26 31 00 00-0025	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,033.05	180.37
26 31 00 00-0026	EA	Inverter Display Stand (Fronius 4,045,894)	260.51	45.09

26 31 00 00-0027 SMA Photovoltaic Inverters *(26 31 00 00-0016)*

26 31 00 00-0028	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,046.91	90.19
26 31 00 00-0029	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	2,446.99	90.19
26 31 00 00-0030	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	2,819.84	90.19
26 31 00 00-0031	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	3,104.48	90.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0032	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	3,008.60	90.19
26 31 00 00-0033		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0016)*		
26 31 00 00-0034	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,518.42	90.19
26 31 00 00-0035	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,631.62	90.19
26 31 00 00-0036	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	2,902.35	90.19
26 31 00 00-0037	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,444.57	112.73
26 31 00 00-0038	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,198.47	135.28
26 31 00 00-0039	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,232.93	135.28
26 31 00 00-0040	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,462.29	135.28
26 31 00 00-0041	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	52,705.36	721.47
26 31 00 00-0042	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	52,774.59	721.47
26 31 00 00-0043	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	57,074.06	721.47
26 31 00 00-0044	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	52,939.80	721.47
26 31 00 00-0045		**Solectria Photovoltaic Inverters** *(26 31 00 00-0016)*		
26 31 00 00-0046	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,333.68	180.37
26 31 00 00-0047	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,333.68	180.37
26 31 00 00-0048	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,574.48	180.37
26 31 00 00-0049	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,574.48	180.37
26 31 00 00-0050	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	26,098.00	541.10
26 31 00 00-0051	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,894.03	541.10
26 31 00 00-0052	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	28,505.93	541.10
26 31 00 00-0053	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,837.06	541.10
26 31 00 00-0054	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	30,245.00	541.10
26 31 00 00-0055	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,907.25	541.10
26 31 00 00-0056	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	31,943.48	721.47
26 31 00 00-0057	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	30,471.96	721.47
26 31 00 00-0058	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	33,147.45	721.47
26 31 00 00-0059	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	31,408.38	721.47
26 31 00 00-0060		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0016)*		
26 31 00 00-0061	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	356.71	22.55
26 31 00 00-0062	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	387.66	22.55
26 31 00 00-0063	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	615.13	22.55
26 31 00 00-0064		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0065	EA	15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	221.50	33.82
26 31 00 00-0066	EA	20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	154.18	33.82
26 31 00 00-0067	EA	60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	394.58	33.82
26 31 00 00-0068		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0069		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0068)*		
26 31 00 00-0070	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	293.87	90.19
26 31 00 00-0071	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	287.64	90.19
26 31 00 00-0072	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	452.96	135.28
26 31 00 00-0073	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	455.14	135.28
26 31 00 00-0074	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	657.34	135.28
26 31 00 00-0075		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0068)*		
26 31 00 00-0076	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	588.08	90.19
26 31 00 00-0077	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	694.31	90.19
26 31 00 00-0078	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,348.02	180.37
26 31 00 00-0079	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	2,965.40	180.37
26 31 00 00-0080	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	530.59	90.19
26 31 00 00-0081		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0082	EA	35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	180.63	33.82
26 31 00 00-0083	EA	40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	234.72	33.82
26 31 00 00-0084	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	270.78	33.82
26 31 00 00-0085	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	211.88	33.82
26 31 00 00-0086	EA	MPPT Charge Controller (Xantrex XW SCC)	693.53	45.09
26 31 00 00-0087		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0088		**Concorde Photovoltaic Batteries** *(26 31 00 00-0087)*		
26 31 00 00-0089	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	156.78	13.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0090	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	198.22	18.04
26 31 00 00-0091	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	213.91	18.04
26 31 00 00-0092	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	248.69	27.06
26 31 00 00-0093	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	281.12	27.06
26 31 00 00-0094	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	333.38	31.56
26 31 00 00-0095	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	382.21	36.07
26 31 00 00-0096	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	378.07	36.07
26 31 00 00-0097	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	680.23	42.84
26 31 00 00-0098	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	784.19	45.09
26 31 00 00-0099		**Deka Photovoltaic Batteries** *(26 31 00 00-0087)*		
26 31 00 00-0100	EA	31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1)	168.97	22.58
26 31 00 00-0101	EA	50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	227.86	22.58
26 31 00 00-0102	EA	74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	330.03	22.58
26 31 00 00-0103	EA	86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	375.71	22.58
26 31 00 00-0104	EA	98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	376.91	22.58
26 31 00 00-0105	EA	183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D)	718.28	22.58
26 31 00 00-0106	EA	225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D)	828.86	22.58
26 31 00 00-0107		**Battery Enclosures** *(26 31 00 00-0087)*		
26 31 00 00-0108	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	189.33	22.55
26 31 00 00-0109	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	878.15	22.58
26 31 00 00-0110	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	826.46	22.58
26 31 00 00-0111	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,096.91	22.58
26 31 00 00-0112	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	495.91	22.58
26 31 00 00-0113	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,148.60	22.58
26 31 00 00-0114		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0115	EA	Solar Inverter Monitor (Xantrex 864-0203)	398.14	45.09
26 31 00 00-0116	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	783.42	22.55
26 31 00 00-0117	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	656.64	22.55
26 31 00 00-0118	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	131.42	22.55
26 31 00 00-0119	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	318.91	45.09
26 31 00 00-0120	EA	Sunny Boy Control with RS485 (SMA)	770.80	22.55
26 31 00 00-0121	EA	RS 485 Module (SMA)	184.99	22.55
26 31 00 00-0122	EA	RS 232 Module (SMA)	189.33	22.55
26 31 00 00-0123	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	356.68	
26 31 00 00-0124	EA	Bluetooth Piggy-Back Computer Card (SMA)	191.67	22.55
26 31 00 00-0125	EA	RS485-N Communication Computer Card (SMA)	190.46	22.55
26 31 00 00-0126	EA	Bluetooth Repeater (SMA)	348.55	22.55
26 31 00 00-0127	EA	Sunny Boy PC Service Cable (SMA)	163.40	6.76
26 31 00 00-0128	EA	Integrated Revenue Grade Meter, Option (PVPowered)	3,083.13	
26 31 00 00-0129	EA	Data Monitoring Module (PVPowered PVM1010)	347.84	22.55
26 31 00 00-0130	EA	Wireless IG Personal Display (Fronius 4,240,108)	361.96	
26 31 00 00-0131	EA	DatCom Power Supply (Fronius 43,0001,2311)	116.17	
26 31 00 00-0132	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	212.14	22.55
26 31 00 00-0133	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	181.37	22.55
26 31 00 00-0134	EA	Datalogger Pro Box (Fronius 4,240,102)	676.48	22.55
26 31 00 00-0135	EA	Datalogger Easy Box (Fronius 4,240,103)	444.32	22.55
26 31 00 00-0136	EA	Datalogger Interface Box (Fronius 4,240,105)	762.15	22.55
26 31 00 00-0137	EA	Datalogger Web (Fronius 4,240,122)	1,300.88	22.55
26 31 00 00-0138	EA	Interface Box (Fronius 4,240,109)	358.46	22.55
26 31 00 00-0139	EA	Interface Card (Fronius 4,240,009,Z)	259.27	22.55
26 31 00 00-0140	EA	Interface Card Easy (Fronius 4,240,013,Z)	175.12	22.55
26 31 00 00-0141	EA	Sensor Box (Fronius 4,240,104)	705.98	22.55
26 31 00 00-0142	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	89.15	22.55
26 31 00 00-0143	EA	Irradiance Sensor (Fronius 43,0001,1188)	253.16	22.55
26 31 00 00-0144	EA	Module Temperature Sensor (Fronius 43,0001,1190)	280.56	22.55
26 31 00 00-0145	EA	Wind Speed Sensor (Fronius 42,0411,0027)	166.43	45.09
26 31 00 00-0146		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0147	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	536.41	45.09
26 31 00 00-0148	EA	Line Communication Filter (Enphase LCF)	1,164.81	90.19
26 31 00 00-0149	EA	15 Meter RS 485 Communication Cable (SMA)	89.26	6.76
26 31 00 00-0150	EA	15 Meter RS 232 Communication Cable (SMA)	132.53	6.76
26 31 00 00-0151	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	21.53	2.23
26 31 00 00-0152	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.98	2.23
26 31 00 00-0153	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.80	2.23
26 31 00 00-0154	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.07	2.23
26 31 00 00-0155	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.48	2.23
26 31 00 00-0156	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	47.61	4.47
26 31 00 00-0157	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	58.18	4.47
26 31 00 00-0158	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	77.08	6.69
26 31 00 00-0159	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	26.64	2.23
26 31 00 00-0160	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	36.29	2.23
26 31 00 00-0161	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	54.42	4.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0162	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	71.46	4.47
26 31 00 00-0163	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	117.36	8.93
26 31 00 00-0164	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	122.17	8.93
26 31 00 00-0165	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery Note: Tamper proof enclosure.	2,178.87	243.50

26 31 00 00-0166 Photovoltaic Mounting Systems *(26 31)*

26 31 00 00-0167	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.24	2.25
26 31 00 00-0168	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	26.32	11.27
26 31 00 00-0169	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	31.67	11.27
26 31 00 00-0170	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	15.92	4.51
26 31 00 00-0171	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	8.25	3.39
26 31 00 00-0172	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	16.17	4.51
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	4.50	1.50
26 31 00 00-0174	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	4.68	1.50
26 31 00 00-0175	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	12.02	4.51
26 31 00 00-0176	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	69.15	22.55
26 31 00 00-0177	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	75.21	22.55
26 31 00 00-0178	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	80.09	22.55
26 31 00 00-0179	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	101.97	33.82
26 31 00 00-0180	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	120.14	33.82
26 31 00 00-0181	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	136.63	33.82
26 31 00 00-0182	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	154.81	45.09
26 31 00 00-0183	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	198.23	45.09
26 31 00 00-0184	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	281.01	67.64
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	137.64	
26 31 00 00-0186	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	252.74	
26 31 00 00-0187	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	57.05	22.55
26 31 00 00-0188	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	57.61	22.55
26 31 00 00-0189	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	58.12	22.55
26 31 00 00-0190	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	59.39	22.55
26 31 00 00-0191	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	53.67	22.55
26 31 00 00-0192	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	54.32	22.55
26 31 00 00-0193	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	56.20	22.55
26 31 00 00-0194	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	55.66	22.55
26 31 00 00-0195	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	104.32	33.82
26 31 00 00-0196	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	104.71	33.82
26 31 00 00-0197	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	105.86	33.82
26 31 00 00-0198	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	104.66	33.82
26 31 00 00-0199	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	19.59	4.51
26 31 00 00-0200	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	13.75	4.51
26 31 00 00-0201	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	25.11	6.76
26 31 00 00-0202	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	25.98	6.76
26 31 00 00-0203	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	7.05	1.50
26 31 00 00-0204	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	30.84	4.51
26 31 00 00-0205	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.87	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001		**Diesel Generator Sets** *(26 32 13 13)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0657 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	17,142.11	776.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	21,649.93	956.50
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	22,327.94	1,048.75
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	24,006.21	1,204.13
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	25,698.59	1,383.77
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	28,687.32	1,621.68
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*3,187.61*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*8,116.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,697.18*	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	33,489.58	1,883.88
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	34,757.01	2,233.45
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	38,317.82	2,461.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	44,376.64	2,748.12
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	47,466.72	3,010.32
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	53,173.39	3,180.25
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,834.93*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*16,691.82*	
26 32 13 13-0014	EA	250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	55,560.53	3,311.35
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0015	EA	275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	60,540.88	3,490.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0016	EA	300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	61,790.72	3,646.36
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0017	EA	350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	70,220.93	4,078.49
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018	EA	400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	75,962.00	4,466.92
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0019	EA	450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	86,178.82	4,811.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0020	EA	500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	90,984.84	5,127.25
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*31,355.70*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*46,293.15*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*38,029.76*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*56,587.44*	
26 32 13 13-0021	EA	600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	132,393.61	5,646.77
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*64,053.94*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*102,847.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*75,339.91*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*119,816.24*	
26 32 13 13-0022	EA	750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	151,526.61	6,209.98
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*64,053.94*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*102,847.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*75,339.91*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*119,816.24*	
26 32 13 13-0023	EA	800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	158,190.16	6,345.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*64,053.94*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*102,847.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*75,339.91*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*119,816.24*	
26 32 13 13-0024	EA	900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	192,712.47	6,841.18
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*64,053.94*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*102,847.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*75,339.91*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*119,816.24*	
26 32 13 13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	214,774.09	7,283.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*64,053.94*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*102,847.88*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*75,339.91*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*119,816.24*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0657 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	13,653.78	650.62
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,140.03*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,209.60*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	15,435.31	776.85
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,140.03*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,209.60*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	16,520.92	864.26
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*3,140.03*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,209.60*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	17,994.54	956.50
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,881.88*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	18,536.88	1,048.75
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,881.88*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	19,124.32	1,131.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,881.88*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	20,798.55	1,383.77
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,881.88*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	22,131.38	1,548.85
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,899.18*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*10,001.41*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,881.88*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	26,510.17	1,655.67
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,283.93*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	28,776.44	1,864.45
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,283.93*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	36,073.00	2,233.45
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,283.93*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	41,093.33	2,461.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*5,283.93*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,291.29*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*10,413.24*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*14,907.71*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	99,344.89	6,547.82
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*28,197.83*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*41,618.78*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*30,830.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*46,264.90*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	105,847.15	2,956.91
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*28,197.83*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*41,618.78*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*30,830.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*46,264.90*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	107,184.63	3,311.35
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*28,197.83*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*41,618.78*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*30,830.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*46,264.90*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	147,391.99	3,646.36
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*28,197.83*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*41,618.78*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*30,830.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*46,264.90*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	148,884.25	4,078.49
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*28,197.83*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*41,618.78*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*30,830.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*46,264.90*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	209,318.31	4,811.64
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	284,853.98	5,127.25
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	299,744.59	5,404.00
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	341,500.40	5,646.77
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	357,084.55	5,860.41
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	377,690.88	6,263.39
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*61,571.05*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*87,225.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*69,934.06*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*98,841.08*	

26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set	3,362.48	416.56
		Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,226.28	462.84
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,850.85	500.08

26 32 13 26 AC To DC Electrical Conversion *(26 32 13)*

26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output *(26 32 13 26)*

26 32 13 26-0002	EA	3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,144.00	180.37
26 32 13 26-0003	EA	5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,244.27	180.37
26 32 13 26-0004	EA	7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,239.97	180.37
26 32 13 26-0005	EA	10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,304.01	180.37
26 32 13 26-0006	EA	15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,231.70	225.46
26 32 13 26-0007	EA	20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,987.68	225.46
26 32 13 26-0008	EA	25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,452.57	225.46
26 32 13 26-0009	EA	40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,742.67	297.61
26 32 13 26-0010	EA	50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,144.20	297.61

26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output *(26 32 13 26)*

26 32 13 26-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,940.54	180.37
26 32 13 26-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,064.95	180.37
26 32 13 26-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,066.66	180.37
26 32 13 26-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,287.76	180.37
26 32 13 26-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,398.97	225.46
26 32 13 26-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,324.40	225.46
26 32 13 26-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,661.12	225.46
26 32 13 26-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,692.70	297.61
26 32 13 26-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,455.21	297.61

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0002	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	16,416.25	3,398.74
26 32 29 00-0003	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	18,352.87	3,398.74
26 32 29 00-0004	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	20,949.50	4,855.35
26 32 29 00-0005	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,267.00	4,855.35
26 32 29 00-0006	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	27,397.00	4,855.35
26 32 29 00-0007	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,392.63	7,283.02
26 32 29 00-0008	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	39,526.20	7,283.02

26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*

26 32 29 00-0010	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	56,224.75	9,710.69
26 32 29 00-0011	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	61,328.80	9,710.69
26 32 29 00-0012	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	73,695.62	12,623.90
26 32 29 00-0013	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	83,888.87	15,342.89
26 32 29 00-0014	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	99,065.43	15,342.89
26 32 29 00-0015	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	140,109.73	22,917.23
26 32 29 00-0016	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	145,553.19	22,917.23
26 32 29 00-0017	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	167,189.58	26,704.40

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	630.23	22.58
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	679.82	22.58
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	207.71	22.58
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	189.84	22.58
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	317.32	22.58
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	366.72	22.58

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,030.67	515.30
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,347.42	515.30
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,580.17	515.30
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,741.51	610.11

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	792.85	89.28
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	946.18	104.16
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,162.95	119.04
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,416.59	133.93
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	1,809.63	148.81
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	2,983.11	208.33
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	2,931.01	208.33
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	4,369.07	238.09
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	4,780.56	267.85
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	7,122.50	327.37
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	8,180.62	357.13
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	946.18	104.16
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,162.95	119.04
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,431.98	133.93
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	1,813.34	148.81
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	2,994.68	208.33
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	4,195.08	238.09
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	5,142.30	267.85
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	7,931.90	357.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)	511.28	27.06
		Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)	667.79	27.06
		Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)	650.37	27.06
		Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)	443.86	27.06
		Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA	Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	678.38	89.28
26 33 53 00-0032	EA	Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	768.56	119.04
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0033)*		
26 33 53 00-0035		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0034)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036	EA	30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E)	20,941.97	773.78
		For 208/208 Volt AC, Add	*795.73*	
		For MBC 2-Breaker, Add	*4,056.74*	
		For 34 Minute Battery, Add	*10,340.33*	
26 33 53 00-0037	EA	40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E)	24,967.96	952.35
		For 208/208 Volt AC, Add	*888.26*	
		For MBC 2-Breaker, Add	*4,551.96*	
		For 23 Minute Battery, Add	*11,150.09*	
		For 37 Minute Battery, Add	*12,731.93*	
26 33 53 00-0038	EA	50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E)	27,602.33	1,190.44
		For 208/208 Volt AC, Add	*1,003.24*	
		For MBC 2-Breaker, Add	*4,551.96*	
		For 18 Minute Battery, Add	*10,520.70*	
		For 28 Minute Battery, Add	*12,876.22*	
		For 35 Minute Battery, Add	*13,640.92*	
26 33 53 00-0039	EA	65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E)	31,434.28	1,488.05
		For 208/208 Volt AC, Add	*1,161.62*	
		For MBC 2-Breaker, Add	*5,573.39*	
		For 12 Minute Battery, Add	*11,581.92*	
		For 19 Minute Battery, Add	*13,224.85*	
		For 25 Minute Battery, Add	*13,981.39*	
		For 30 Minute Battery, Add	*18,577.56*	
26 33 53 00-0040	EA	80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E)	33,565.94	1,785.65
		For 208/208 Volt AC, Add	*1,161.62*	
		For MBC 3-Breaker, Add	*5,573.39*	
		For 15 Minute Battery, Add	*13,360.13*	
		For 19 Minute Battery, Add	*15,247.00*	
		For 33 Minute Battery, Add	*24,789.16*	
26 33 53 00-0041	EA	100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E)	36,344.73	2,083.26
		For 208/208 Volt AC, Add	*1,298.62*	
		For MBC 3-Breaker, Add	*6,009.58*	
		For 11 Minute Battery, Add	*14,160.79*	
		For 17 Minute Battery, Add	*21,161.78*	
		For 25 Minute Battery, Add	*25,647.87*	
		For 35 Minute Battery, Add	*28,874.09*	
26 33 53 00-0042	EA	130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E)	39,706.82	2,380.88
		For 208/208 Volt AC, Add	*1,366.18*	
		For MBC 3-Breaker, Add	*6,532.17*	
		For 11 Minute Battery, Add	*19,625.91*	
		For 17 Minute Battery, Add	*23,563.00*	
		For 25 Minute Battery, Add	*31,372.00*	
		For 30 Minute Battery, Add	*37,808.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0043	EA	225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK)	50,206.64	2,678.48
		For Customer Alarm Interface, Add	*393.61*	
		For Alarm Status Contacts, Add	*474.19*	
		For Maintenance Bypass Interface, Add	*554.77*	
		For Communication Interface, Add	*619.86*	
		For Flush Mount Remote Status Panel, Add	*781.03*	
		For SNMP, Add	*976.29*	
		For Load Bus Sync Board, Add	*1,456.68*	
		For Input Filter with Disconnect, Add	*1,907.94*	
		For Isolation Transformer, Add	*6,260.63*	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	*6,972.86*	
		For Load Bus Sync Control Panel With Start Up, Add	*7,000.13*	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	*7,530.73*	
		For VRLA 12 Minute Battery, Add	*33,353.16*	
		For VRLA 14 Minute Battery, Add	*35,898.33*	
		For VRLA 22 Minute Battery, Add	*44,999.61*	
		For VRLA 37 Minute Battery, Add	*66,931.26*	
26 33 53 00-0044	EA	300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA)	64,353.14	2,976.09
		For Customer Alarm Interface, Add	*393.61*	
		For Alarm Status Contacts, Add	*474.19*	
		For Maintenance Bypass Interface, Add	*554.77*	
		For Communication Interface, Add	*619.86*	
		For Flush Mount Remote Status Panel, Add	*781.03*	
		For SNMP, Add	*976.29*	
		For Load Bus Sync Board, Add	*1,456.68*	
		For Input Filter with Disconnect, Add	*2,083.36*	
		For Load Bus Sync Control Panel With Start Up, Add	*7,000.13*	
		For Isolation Transformer, Add	*7,351.60*	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	*8,410.94*	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	*9,628.97*	
		For VRLA 14 Minute Battery, Add	*45,053.72*	
		For VRLA 17 Minute Battery, Add	*53,500.27*	
		For VRLA 26 Minute Battery, Add	*66,994.39*	
26 33 53 00-0045	EA	500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA)	100,905.55	3,571.31
		For Customer Alarm Interface, Add	*501.09*	
		For Alarm Status Contacts, Add	*603.67*	
		For Maintenance Bypass Interface, Add	*706.25*	
		For Communication Interface, Add	*789.11*	
		For Flush Mount Remote Status Panel, Add	*994.29*	
		For SNMP, Add	*1,242.86*	
		For Load Bus Sync Board, Add	*1,854.42*	
		For Input Filter with Disconnect, Add	*5,900.12*	
		For Two Breaker Maintenance Bypass Switchboard, Add	*8,199.69*	
		For Load Bus Sync Control Panel With Start Up, Add	*8,965.92*	
		For 12 Pulse With Isolation Transformer, Add	*11,178.39*	
		For Three Breaker Maintenance Bypass Switchboard, Add	*12,468.80*	
		For VRLA 12 Minute Battery, Add	*72,281.75*	

26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*

26 33 53 00-0047	EA	Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems	460.87	45.09
26 33 53 00-0048	EA	Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems	735.46	45.09
26 33 53 00-0049	EA	Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems	1,433.37	90.19
26 33 53 00-0050	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems	4,497.65	360.74
26 33 53 00-0051	EA	Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	332.80	45.09
26 33 53 00-0052	EA	Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	184.64	45.09
26 33 53 00-0053	EA	Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	206.26	45.09
26 33 53 00-0054	EA	Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	227.88	45.09
26 33 53 00-0055	EA	Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	266.79	45.09
26 33 53 00-0056	EA	Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	279.76	45.09
26 33 53 00-0057	EA	Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	346.79	45.09
26 33 53 00-0058	EA	Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	363.00	45.09

26 33 53 00-0059 Other Uninterruptable Power Supply Equipment *(26 33 53)*

26 33 53 00-0060	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	3,243.30	82.44
26 33 53 00-0061	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	3,938.95	164.90
26 33 53 00-0062	EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel	19.44	4.95
26 33 53 00-0063	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel	33.60	6.18
26 33 53 00-0064	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel	60.14	6.18
26 33 53 00-0065	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel	87.61	8.25
26 33 53 00-0066	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel	122.64	8.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0067	EA	Uninterrupted Power Supply Remote Status Panel	2,234.86	82.44
26 33 53 00-0068	EA	Uninterrupted Power Supply Remote Contact Board	760.57	61.84

26 35 Power Filters And Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 00-0001 Power Factor Correction Capacitors *(26 35 33)*

26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	420.78	
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	466.03	
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	511.27	
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	554.71	
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	681.39	
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	832.51	
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,285.87	
26 35 33 00-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	1,561.86	
26 35 33 00-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	2,017.94	
26 35 33 00-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	2,294.84	
26 35 33 00-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	4,026.82	
26 35 33 00-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	6,054.71	
26 35 33 00-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	8,073.56	
26 35 33 00-0015	EA	Power Factor Correction Capacitors, Fuse Kit	374.63	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	419.39	90.19
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	711.48	108.22
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	818.37	144.30
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,117.58	180.37
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,531.08	234.48
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,970.02	288.59
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,459.84	342.70
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,982.51	387.80
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,475.56	468.96
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,974.40	527.58
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,473.24	586.20
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,543.53	707.95
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,167.74	852.24
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	9,063.88	1,037.12
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,382.32	1,212.98
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,256.78	1,352.77
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,977.54	1,533.13
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	29,496.68	1,713.50

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,595.99	1,433.94
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,342.19	1,803.69
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,029.31	2,146.39

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,077.74	157.82
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,253.27	196.06

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,913.19	323.99
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,593.43	416.56
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,081.35	555.41
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	9,089.91	694.26

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0008	EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,040.39	231.42
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 4 Enclosure, Add	*669.04*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0009	EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,513.92	277.70
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 4 Enclosure, Add	*669.04*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0010	EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	3,869.55	323.99
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 4 Enclosure, Add	*669.04*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0011	EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,598.00	370.27
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 4 Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0012	EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	5,248.07	416.56
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 4 Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	5,792.49	462.84
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 4 Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	6,061.57	509.13
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 4 Enclosure, Add	*1,040.73*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,847.93	555.41
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 4 Enclosure, Add	*1,040.73*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	9,361.05	694.26
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 4 Enclosure, Add	*1,040.73*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	10,517.25	833.12
		For NEMA 3R Enclosure, Add	*1,077.90*	
		For NEMA 4 Enclosure, Add	*1,189.42*	
		For NEMA 12 Enclosure, Add	*1,040.73*	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	13,618.16	1,110.82
		For NEMA 3R Enclosure, Add	*1,077.90*	
		For NEMA 4 Enclosure, Add	*1,189.42*	
		For NEMA 12 Enclosure, Add	*1,040.73*	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	17,614.34	1,203.39
		For NEMA 3R Enclosure, Add	*2,378.82*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*1,115.07*	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	18,805.86	1,388.52
		For NEMA 3R Enclosure, Add	*3,865.57*	
		For NEMA 4 Enclosure, Add	*4,757.63*	
		For NEMA 12 Enclosure, Add	*3,865.57*	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	21,498.66	1,573.66
		For NEMA 3R Enclosure, Add	*3,865.57*	
		For NEMA 4 Enclosure, Add	*4,757.63*	
		For NEMA 12 Enclosure, Add	*3,865.57*	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	25,975.84	1,943.93
		For NEMA 3R Enclosure, Add	*3,865.57*	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	44,819.82	2,314.21
		For NEMA 3R Enclosure, Add	*18,168.17*	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	15,332.46	1,758.79
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*706.22*	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	16,009.79	1,851.36
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*706.22*	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	16,783.82	1,943.93
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*706.22*	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	18,681.60	1,990.22
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*706.22*	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	21,487.41	2,036.50
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*706.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	25,710.43	2,129.06
		For NEMA 3R Enclosure, Add	*1,300.92*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	28,307.83	2,221.63
		For NEMA 3R Enclosure, Add	*1,338.09*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*817.72*	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	35,512.34	2,591.91
		For NEMA 3R Enclosure, Add	*1,338.09*	
		For NEMA 4 Enclosure, Add	*1,338.09*	
		For NEMA 12 Enclosure, Add	*817.72*	
26 36 23 00-0033	EA	1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	46,155.87	2,777.05
		For NEMA 3R Enclosure, Add	*5,947.03*	
		For NEMA 4 Enclosure, Add	*7,433.79*	
		For NEMA 12 Enclosure, Add	*5,947.03*	
26 36 23 00-0034	EA	1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	60,083.73	2,962.18
		For NEMA 3R Enclosure, Add	*12,637.44*	
		For NEMA 4 Enclosure, Add	*12,637.44*	
		For NEMA 12 Enclosure, Add	*11,775.12*	
26 36 23 00-0035	EA	2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	68,197.95	3,239.89
		For NEMA 3R Enclosure, Add	*12,637.44*	
		For NEMA 4 Enclosure, Add	*12,637.44*	
		For NEMA 12 Enclosure, Add	*11,775.12*	
26 36 23 00-0036	EA	3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	108,773.94	3,702.72
		For NEMA 3R Enclosure, Add	*15,610.95*	
26 36 23 00-0037	EA	4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	117,443.89	4,165.57
		For NEMA 3R Enclosure, Add	*15,610.95*	

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0039	EA	40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	4,915.95	231.42
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0040	EA	70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	5,324.75	277.70
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0041	EA	125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	5,732.86	323.99
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0042	EA	150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	6,879.07	370.27
		For Four Pole Circuit Breaker, Add	*1,858.45*	
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0043	EA	225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	8,937.18	416.56
		For Four Pole Circuit Breaker, Add	*1,858.45*	
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0044	EA	250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	9,521.13	462.84
		For Four Pole Circuit Breaker, Add	*1,858.45*	
		For NEMA 3R Enclosure, Add	*371.69*	
		For NEMA 12 Enclosure, Add	*669.04*	
26 36 23 00-0045	EA	300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	9,910.17	509.13
		For Four Pole Circuit Breaker, Add	*2,527.49*	
		For NEMA 3R Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0046	EA	400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	11,208.36	555.41
		For Four Pole Circuit Breaker, Add	*2,527.49*	
		For NEMA 3R Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0047	EA	600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	13,606.30	694.26
		For Four Pole Circuit Breaker, Add	*2,527.49*	
		For NEMA 3R Enclosure, Add	*966.39*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 23 00-0048	EA	800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	14,208.41	833.12
		For Four Pole Circuit Breaker, Add	*3,605.39*	
		For NEMA 3R Enclosure, Add	*1,665.17*	
		For NEMA 12 Enclosure, Add	*1,040.73*	
26 36 23 00-0049	EA	1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	16,807.72	1,110.82
		For Four Pole Circuit Breaker, Add	*3,605.39*	
		For NEMA 3R Enclosure, Add	*1,665.17*	
		For NEMA 12 Enclosure, Add	*1,040.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0050		Accessories *(26 36 23)*		
26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	172.47	
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	1,412.43	
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	512.94	
26 36 33		**Non-Automatic Transfer Switches** *(26 36)*		
26 36 33 00-0001		Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 33)*		
26 36 33 00-0002	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	2,068.53	231.42
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0003	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	2,300.13	277.70
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0004	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	2,614.18	323.99
		For NEMA 3R Enclosure, Add	*631.88*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0005	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	2,463.23	370.27
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0006	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	3,985.88	416.56
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0007	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	4,479.18	462.84
		For NEMA 3R Enclosure, Add	*743.38*	
		For NEMA 12 Enclosure, Add	*594.70*	
26 36 33 00-0008	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	4,979.98	509.13
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 33 00-0009	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	5,830.41	555.41
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 33 00-0010	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	7,695.39	694.26
		For NEMA 3R Enclosure, Add	*877.19*	
		For NEMA 12 Enclosure, Add	*743.38*	
26 36 33 00-0011	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	8,677.80	833.12
		For NEMA 3R Enclosure, Add	*1,077.90*	
		For NEMA 12 Enclosure, Add	*1,040.73*	
26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	11,467.94	1,110.82
		For NEMA 3R Enclosure, Add	*1,077.90*	
		For NEMA 12 Enclosure, Add	*1,040.73*	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001		25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	201.72	22.55
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	217.61	22.55
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	226.63	27.06
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	188.16	18.04
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	226.63	27.06
26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	280.03	22.55
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	298.13	27.06
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	289.11	22.55
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	298.13	27.06
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	339.05	22.55
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	357.15	27.06
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	316.41	18.04
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	357.15	27.06
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	400.35	22.55
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	451.36	27.06
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	378.84	18.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0021		**160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	706.73	27.06
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	697.71	22.55
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	706.73	27.06
26 43 13 00-0025		**250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,094.83	45.09
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	5,002.83	45.09
26 43 13 00-0028		**Class 1310 Transient Voltage Surge Suppression** *(26 43 13)* Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		**NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,303.13	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,642.94	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,324.12	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,084.22	180.37
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,483.58	248.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,446.90	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,800.87	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,568.12	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,401.11	180.37
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,972.59	248.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,446.90	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,800.87	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,568.08	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,401.11	180.37
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,972.59	248.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,590.68	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,960.84	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,814.13	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,720.07	180.37
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,463.58	248.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,757.73	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,126.91	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,071.29	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,054.17	180.37
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,282.83	248.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,574.21	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,110.44	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,560.76	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,656.21	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,231.93	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,719.71	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,656.21	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,231.93	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,719.71	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,760.50	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,362.53	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,923.20	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,869.84	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,501.23	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,136.82	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,259.87	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,599.68	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,280.85	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,403.64	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,757.61	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,524.86	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,403.64	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,757.61	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,524.82	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,547.42	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,917.58	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,770.87	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,714.47	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,083.65	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,028.02	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,530.95	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,067.18	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,517.50	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,612.95	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,188.67	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,676.44	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,612.95	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,188.67	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,676.44	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,717.23	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,319.27	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,879.94	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,826.58	117.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,457.97	135.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,093.56	157.82
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 50 Lighting *(26)*

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 52 Safety Lighting *(26 50)*

26 52 00 00-0001 Commercial Emergency Lights *(26 52)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0002		**Polycarbonate Housing, Commercial Emergency Lights** *(26 52 00 00-0001)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	140.29	22.55
26 52 00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	100.28	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	152.64	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	176.34	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	257.81	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	290.87	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	419.71	22.55
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0010		**Remote Heads For Commercial Emergency Lights** *(26 52 00 00-0001)*		
		Note: For use with fixtures that have remote capability.		
26 52 00 00-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	94.13	13.53
26 52 00 00-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	94.73	13.53
26 52 00 00-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	96.73	13.53
26 52 00 00-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	96.40	13.53
26 52 00 00-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	84.12	13.53
26 52 00 00-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	59.74	13.53
26 52 00 00-0017		**Industrial Emergency Lights** *(26 52)*		
26 52 00 00-0018		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 00 00-0017)*		
26 52 00 00-0019		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 00 00-0018)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	239.81	22.55
		For Wireguard, Add	*117.16*	
26 52 00 00-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	202.82	22.55
		For Wireguard, Add	*117.16*	
26 52 00 00-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	310.94	22.55
		For Wireguard, Add	*117.16*	
26 52 00 00-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	329.60	22.55
		For Wireguard, Add	*117.16*	
26 52 00 00-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	466.45	22.55
		For Wireguard, Add	*124.79*	
26 52 00 00-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	728.25	22.55
		For Wireguard, Add	*124.79*	
26 52 00 00-0026		**Remote Heads For Painted Steel Housing, Industrial Emergency Lights** *(26 52 00 00-0018)*		
		Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	73.79	13.53
		For Wireguard, Add	*94.55*	
26 52 00 00-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	76.12	13.53
		For Wireguard, Add	*94.55*	
26 52 00 00-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	74.12	13.53
		For Wireguard, Add	*94.55*	
26 52 00 00-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	74.50	13.53
		For Wireguard, Add	*94.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	76.12	13.53
		For Wireguard, Add	*94.55*	
26 52 00 00-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	87.91	13.53
		For Wireguard, Add	*94.55*	
26 52 00 00-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0017)*		
26 52 00 00-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	236.84	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	256.58	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	251.17	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	264.97	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	439.68	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	347.45	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	388.02	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	408.57	22.55
		For Wireguard, Add	*113.91*	
		For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*		
		Note: For use with fixtures that have remote capability.		
26 52 00 00-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	64.87	13.53
26 52 00 00-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	69.57	13.53
26 52 00 00-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	64.92	13.53
26 52 00 00-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	68.38	13.53
26 52 00 00-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	59.49	13.53
26 52 00 00-0049		Outdoor Emergency Lights *(26 52)*		
26 52 00 00-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 00 00-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	367.20	22.55
26 52 00 00-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	436.16	22.55
26 52 00 00-0053		Recessed Emergency Lights *(26 52)*		
26 52 00 00-0054	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	398.54	22.55
		For Wire Guard, Add	*60.00*	
26 52 00 00-0055	EA	16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	328.31	45.09
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*124.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0056	EA	50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	461.97	45.09
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*124.79*	
26 52 00 00-0057		Square Wraparound Emergency Lights *(26 52)*		
26 52 00 00-0058	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	187.73	22.55

26 53 Exit Signs *(26 50)*

Note: Excludes pendants.

26 53 00 00-0001		LED Exit Signs *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	120.69	32.96
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	120.69	32.96
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	161.66	32.96
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	161.66	32.96
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	176.30	32.96
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	197.65	32.96
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	167.37	32.96
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	182.87	32.96
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	214.60	32.96
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	305.42	32.96
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	263.08	32.96
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	274.33	32.96
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0014		Edge-Lit LED Exit Signs *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0015	EA	Single Face, Edge-Lit LED Exit Sign	238.93	32.96
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0016	EA	Double Face, Edge-Lit LED Exit Sign	255.20	32.96
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0017	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	289.17	32.96
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0018	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	301.16	32.96
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0019		Self-Luminous Tritium Exit Signs *(26 53)*		
		Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	319.07	32.96
26 53 00 00-0021	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	571.94	32.96
26 53 00 00-0022	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	376.68	32.96
26 53 00 00-0023	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	618.19	32.96
26 53 00 00-0024	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	347.74	32.96
26 53 00 00-0025	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	618.19	32.96
26 53 00 00-0026	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	422.65	32.96
26 53 00 00-0027	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	763.15	32.96
26 53 00 00-0028		Vandal-Resistant LED Exit Signs *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0029	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	302.03	32.96
26 53 00 00-0030	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	458.62	32.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0031	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	554.63	32.96
26 53 00 00-0032		Remove And Reinstall Exit Light Fixture *(26 53)*		
26 53 00 00-0033	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	67.64	
26 53 00 00-0034		Exit Sign Accessories *(26 53)*		
26 53 00 00-0035	EA	Polycarbonate Vandal Shield For Exit Signs	72.14	9.03
26 53 00 00-0036	EA	Wire Guard For Exit Signs Or Emergency Lights	44.18	9.03
26 53 00 00-0037	EA	Replacement Battery For Exit Signs	73.36	11.29

26 55 Special Purpose Lighting *(26 50)*

26 55 68 Athletic Field Lighting *(26 55)*

26 55 68 00-0001		Sports Lighting System *(26 55 68)* Note: Musco.		
26 55 68 00-0002		Round Steel Tapered Poles *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,371.16	475.49
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,854.42	574.55
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,205.51	624.09
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,488.68	648.85
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,307.15	673.61
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,967.40	822.20
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,332.31	871.73
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,057.41	990.60
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,872.19	1,114.43
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,615.79	1,238.11
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,323.60	1,383.77
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,097.68	1,553.71
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,269.40	1,869.31
26 55 68 00-0016		Steel Pole Brackets *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	356.67	49.53
26 55 68 00-0018	EA	Three Light Bracket	449.98	69.34
26 55 68 00-0019	EA	Four Light Bracket	644.73	84.21
26 55 68 00-0020	EA	Five Light Bracket	736.07	99.06
26 55 68 00-0021	EA	Six Light Bracket	891.38	113.92
26 55 68 00-0022	EA	Seven Light Bracket	1,020.59	128.78
26 55 68 00-0023	EA	Eight Light Bracket	1,166.18	148.59
26 55 68 00-0024	EA	Nine Light Bracket	1,316.71	163.45
26 55 68 00-0025		Light Fixtures *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,574.55	
		For 1,500 Watt Metal Halide Lamp, Add	*8.90*	
26 55 68 00-0027		Electrical Component Enclosure *(26 55 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	556.08	58.62
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	835.70	90.19
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	957.72	112.73
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	1,235.52	126.26
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	1,386.80	135.28
26 55 68 00-0033		Accessories *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	635.20	180.65
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	1,183.02	180.65
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	1,402.14	180.65
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	6,562.04	541.93
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	728.19	90.19
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	908.56	180.37

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles And Standards *(26 56)*

26 56 13 00-0001		Poles And Standards *(26 56 13)* See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002		Roadway Light Poles *(26 56 13 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0003		Steel Roadway Light Poles *(26 56 13 00-0002)* Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,849.02	297.18
		For Galvanized Finish, Add	*67.64*	
		For >10 To 20, Deduct	*-71.23*	
		For >20 To 40, Deduct	*-142.45*	
		For >40, Deduct	*-228.54*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,854.58	297.18
		For Galvanized Finish, Add	*67.81*	
		For >10 To 20, Deduct	*-71.36*	
		For >20 To 40, Deduct	*-142.73*	
		For >40, Deduct	*-228.95*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,085.74	396.24
		For Galvanized Finish, Add	*68.80*	
		For >10 To 20, Deduct	*-77.14*	
		For >20 To 40, Deduct	*-154.29*	
		For >40, Deduct	*-251.24*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,152.75	396.24
		For Galvanized Finish, Add	*70.81*	
		For >10 To 20, Deduct	*-78.82*	
		For >20 To 40, Deduct	*-157.64*	
		For >40, Deduct	*-256.27*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,219.75	396.24
		For Galvanized Finish, Add	*72.82*	
		For >10 To 20, Deduct	*-80.49*	
		For >20 To 40, Deduct	*-160.99*	
		For >40, Deduct	*-261.29*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,332.92	445.77
		For Galvanized Finish, Add	*73.24*	
		For >10 To 20, Deduct	*-83.32*	
		For >20 To 40, Deduct	*-166.65*	
		For >40, Deduct	*-272.26*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,364.69	445.77
		For Galvanized Finish, Add	*74.19*	
		For >10 To 20, Deduct	*-84.12*	
		For >20 To 40, Deduct	*-168.23*	
		For >40, Deduct	*-274.64*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,370.74	445.77
		For Galvanized Finish, Add	*74.38*	
		For >10 To 20, Deduct	*-84.27*	
		For >20 To 40, Deduct	*-168.54*	
		For >40, Deduct	*-275.09*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,533.08	470.53
		For Galvanized Finish, Add	*77.76*	
		For >10 To 20, Deduct	*-88.33*	
		For >20 To 40, Deduct	*-176.65*	
		For >40, Deduct	*-288.51*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,557.08	470.53
		For Galvanized Finish, Add	*78.48*	
		For >10 To 20, Deduct	*-88.93*	
		For >20 To 40, Deduct	*-177.85*	
		For >40, Deduct	*-290.31*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,583.29	470.53
		For Galvanized Finish, Add	*79.27*	
		For >10 To 20, Deduct	*-89.58*	
		For >20 To 40, Deduct	*-179.16*	
		For >40, Deduct	*-292.27*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,102.25	495.31
		For Galvanized Finish, Add	*93.35*	
		For >10 To 20, Deduct	*-102.56*	
		For >20 To 40, Deduct	*-205.11*	
		For >40, Deduct	*-332.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,110.79	495.31
		For Galvanized Finish, Add	*93.61*	
		For >10 To 20, Deduct	*-102.77*	
		For >20 To 40, Deduct	*-205.54*	
		For >40, Deduct	*-333.07*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,119.24	495.31
		For Galvanized Finish, Add	*93.86*	
		For >10 To 20, Deduct	*-102.98*	
		For >20 To 40, Deduct	*-205.96*	
		For >40, Deduct	*-333.71*	
26 56 13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,556.24	346.72
		For Galvanized Finish, Add	*85.88*	
		For >10 To 20, Deduct	*-88.91*	
		For >20 To 40, Deduct	*-177.81*	
		For >40, Deduct	*-284.05*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,616.81	359.10
		For Galvanized Finish, Add	*86.96*	
		For >10 To 20, Deduct	*-90.42*	
		For >20 To 40, Deduct	*-180.84*	
		For >40, Deduct	*-289.22*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,668.55	371.48
		For Galvanized Finish, Add	*87.77*	
		For >10 To 20, Deduct	*-91.71*	
		For >20 To 40, Deduct	*-183.43*	
		For >40, Deduct	*-293.72*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,522.23	445.77
		For Galvanized Finish, Add	*78.92*	
		For >10 To 20, Deduct	*-88.06*	
		For >20 To 40, Deduct	*-176.11*	
		For >40, Deduct	*-286.46*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,561.21	458.15
		For Galvanized Finish, Add	*79.35*	
		For >10 To 20, Deduct	*-89.03*	
		For >20 To 40, Deduct	*-178.06*	
		For >40, Deduct	*-290.00*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,591.74	470.53
		For Galvanized Finish, Add	*79.52*	
		For >10 To 20, Deduct	*-89.79*	
		For >20 To 40, Deduct	*-179.59*	
		For >40, Deduct	*-292.91*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,796.78	495.31
		For Galvanized Finish, Add	*84.19*	
		For >10 To 20, Deduct	*-94.92*	
		For >20 To 40, Deduct	*-189.84*	
		For >40, Deduct	*-309.52*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,830.19	507.69
		For Galvanized Finish, Add	*84.44*	
		For >10 To 20, Deduct	*-95.75*	
		For >20 To 40, Deduct	*-191.51*	
		For >40, Deduct	*-312.65*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,860.43	520.07
		For Galvanized Finish, Add	*84.61*	
		For >10 To 20, Deduct	*-96.51*	
		For >20 To 40, Deduct	*-193.02*	
		For >40, Deduct	*-315.54*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,030.16	520.07
		For Galvanized Finish, Add	*89.70*	
		For >10 To 20, Deduct	*-100.75*	
		For >20 To 40, Deduct	*-201.51*	
		For >40, Deduct	*-328.27*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,092.07	532.45
		For Galvanized Finish, Add	*90.82*	
		For >10 To 20, Deduct	*-102.30*	
		For >20 To 40, Deduct	*-204.60*	
		For >40, Deduct	*-333.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,152.07	544.83
		For Galvanized Finish, Add	*91.87*	
		For >10 To 20, Deduct	*-103.80*	
		For >20 To 40, Deduct	*-207.60*	
		For >40, Deduct	*-338.65*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,566.31	544.83
		For Galvanized Finish, Add	*104.30*	
		For >10 To 20, Deduct	*-114.16*	
		For >20 To 40, Deduct	*-228.32*	
		For >40, Deduct	*-369.72*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,596.64	557.21
		For Galvanized Finish, Add	*104.47*	
		For >10 To 20, Deduct	*-114.92*	
		For >20 To 40, Deduct	*-229.83*	
		For >40, Deduct	*-372.61*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,627.16	569.60
		For Galvanized Finish, Add	*104.64*	
		For >10 To 20, Deduct	*-115.68*	
		For >20 To 40, Deduct	*-231.36*	
		For >40, Deduct	*-375.52*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,147.56	495.31
		For Galvanized Finish, Add	*94.71*	
		For >10 To 20, Deduct	*-103.69*	
		For >20 To 40, Deduct	*-207.38*	
		For >40, Deduct	*-335.83*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,202.76	520.07
		For Galvanized Finish, Add	*94.88*	
		For >10 To 20, Deduct	*-105.07*	
		For >20 To 40, Deduct	*-210.14*	
		For >40, Deduct	*-341.21*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,266.41	544.83
		For Galvanized Finish, Add	*95.30*	
		For >10 To 20, Deduct	*-106.66*	
		For >20 To 40, Deduct	*-213.32*	
		For >40, Deduct	*-347.22*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,388.13	544.83
		For Galvanized Finish, Add	*98.95*	
		For >10 To 20, Deduct	*-109.70*	
		For >20 To 40, Deduct	*-219.41*	
		For >40, Deduct	*-356.35*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,446.01	569.60
		For Galvanized Finish, Add	*99.20*	
		For >10 To 20, Deduct	*-111.15*	
		For >20 To 40, Deduct	*-222.30*	
		For >40, Deduct	*-361.93*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,501.21	594.36
		For Galvanized Finish, Add	*99.37*	
		For >10 To 20, Deduct	*-112.53*	
		For >20 To 40, Deduct	*-225.06*	
		For >40, Deduct	*-367.31*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,669.40	569.60
		For Galvanized Finish, Add	*105.91*	
		For >10 To 20, Deduct	*-116.74*	
		For >20 To 40, Deduct	*-233.47*	
		For >40, Deduct	*-378.68*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,724.60	594.36
		For Galvanized Finish, Add	*106.08*	
		For >10 To 20, Deduct	*-118.12*	
		For >20 To 40, Deduct	*-236.23*	
		For >40, Deduct	*-384.06*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,779.79	619.12
		For Galvanized Finish, Add	*106.25*	
		For >10 To 20, Deduct	*-119.49*	
		For >20 To 40, Deduct	*-238.99*	
		For >40, Deduct	*-389.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,030.36	594.36
		For Galvanized Finish, Add	*115.25*	
		For >10 To 20, Deduct	*-125.76*	
		For >20 To 40, Deduct	*-251.52*	
		For >40, Deduct	*-407.00*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,085.26	619.12
		For Galvanized Finish, Add	*115.41*	
		For >10 To 20, Deduct	*-127.13*	
		For >20 To 40, Deduct	*-254.26*	
		For >40, Deduct	*-412.35*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,146.12	643.90
		For Galvanized Finish, Add	*115.75*	
		For >10 To 20, Deduct	*-128.65*	
		For >20 To 40, Deduct	*-257.31*	
		For >40, Deduct	*-418.15*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,614.41	544.83
		For Galvanized Finish, Add	*105.74*	
		For >10 To 20, Deduct	*-115.36*	
		For >20 To 40, Deduct	*-230.72*	
		For >40, Deduct	*-373.32*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,697.14	581.98
		For Galvanized Finish, Add	*106.00*	
		For >10 To 20, Deduct	*-117.43*	
		For >20 To 40, Deduct	*-234.86*	
		For >40, Deduct	*-381.38*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,777.00	619.12
		For Galvanized Finish, Add	*106.16*	
		For >10 To 20, Deduct	*-119.43*	
		For >20 To 40, Deduct	*-238.85*	
		For >40, Deduct	*-389.23*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,889.63	594.36
		For Galvanized Finish, Add	*111.03*	
		For >10 To 20, Deduct	*-122.24*	
		For >20 To 40, Deduct	*-244.48*	
		For >40, Deduct	*-396.44*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,969.87	631.51
		For Galvanized Finish, Add	*111.21*	
		For >10 To 20, Deduct	*-124.25*	
		For >20 To 40, Deduct	*-248.49*	
		For >40, Deduct	*-404.32*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,017.48	668.66
		For Galvanized Finish, Add	*110.40*	
		For >10 To 20, Deduct	*-125.44*	
		For >20 To 40, Deduct	*-250.87*	
		For >40, Deduct	*-409.74*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,260.65	619.12
		For Galvanized Finish, Add	*120.67*	
		For >10 To 20, Deduct	*-131.52*	
		For >20 To 40, Deduct	*-263.03*	
		For >40, Deduct	*-425.51*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,379.11	656.28
		For Galvanized Finish, Add	*122.00*	
		For >10 To 20, Deduct	*-134.48*	
		For >20 To 40, Deduct	*-268.96*	
		For >40, Deduct	*-436.25*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,423.54	693.42
		For Galvanized Finish, Add	*121.10*	
		For >10 To 20, Deduct	*-135.59*	
		For >20 To 40, Deduct	*-271.18*	
		For >40, Deduct	*-441.44*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,494.12	643.90
		For Galvanized Finish, Add	*126.19*	
		For >10 To 20, Deduct	*-137.35*	
		For >20 To 40, Deduct	*-274.71*	
		For >40, Deduct	*-444.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,573.98	681.04
		For Galvanized Finish, Add	*126.36*	
		For >10 To 20, Deduct	*-139.35*	
		For >20 To 40, Deduct	*-278.70*	
		For >40, Deduct	*-452.10*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,656.72	718.19
		For Galvanized Finish, Add	*126.61*	
		For >10 To 20, Deduct	*-141.42*	
		For >20 To 40, Deduct	*-282.84*	
		For >40, Deduct	*-460.16*	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,293.10	396.24
		For Galvanized Finish, Add	*75.02*	
		For >10 To 20, Deduct	*-82.33*	
		For >20 To 40, Deduct	*-164.66*	
		For >40, Deduct	*-266.79*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,727.28	445.77
		For Galvanized Finish, Add	*85.07*	
		For >10 To 20, Deduct	*-93.18*	
		For >20 To 40, Deduct	*-186.36*	
		For >40, Deduct	*-301.83*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,823.48	470.53
		For Galvanized Finish, Add	*86.47*	
		For >10 To 20, Deduct	*-95.59*	
		For >20 To 40, Deduct	*-191.17*	
		For >40, Deduct	*-310.29*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,588.78	495.31
		For Galvanized Finish, Add	*107.95*	
		For >10 To 20, Deduct	*-114.72*	
		For >20 To 40, Deduct	*-229.44*	
		For >40, Deduct	*-368.92*	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,294.09	396.24
		For Galvanized Finish, Add	*105.05*	
		For >10 To 20, Deduct	*-107.35*	
		For >20 To 40, Deduct	*-214.70*	
		For >40, Deduct	*-341.87*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,337.00	396.24
		For Galvanized Finish, Add	*106.34*	
		For >10 To 20, Deduct	*-108.43*	
		For >20 To 40, Deduct	*-216.85*	
		For >40, Deduct	*-345.09*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,356.59	396.24
		For Galvanized Finish, Add	*106.92*	
		For >10 To 20, Deduct	*-108.91*	
		For >20 To 40, Deduct	*-217.83*	
		For >40, Deduct	*-346.56*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,436.05	445.77
		For Galvanized Finish, Add	*106.34*	
		For >10 To 20, Deduct	*-110.90*	
		For >20 To 40, Deduct	*-221.80*	
		For >40, Deduct	*-354.99*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,443.54	445.77
		For Galvanized Finish, Add	*106.56*	
		For >10 To 20, Deduct	*-111.09*	
		For >20 To 40, Deduct	*-222.18*	
		For >40, Deduct	*-355.55*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,520.92	445.77
		For Galvanized Finish, Add	*108.88*	
		For >10 To 20, Deduct	*-113.02*	
		For >20 To 40, Deduct	*-226.05*	
		For >40, Deduct	*-361.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,511.03	470.53
		For Galvanized Finish, Add	*107.10*	
		For >10 To 20, Deduct	*-112.78*	
		For >20 To 40, Deduct	*-225.55*	
		For >40, Deduct	*-361.85*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,556.34	470.53
		For Galvanized Finish, Add	*108.46*	
		For >10 To 20, Deduct	*-113.91*	
		For >20 To 40, Deduct	*-227.82*	
		For >40, Deduct	*-365.25*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,793.94	470.53
		For Galvanized Finish, Add	*115.59*	
		For >10 To 20, Deduct	*-119.85*	
		For >20 To 40, Deduct	*-239.70*	
		For >40, Deduct	*-383.07*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,633.83	495.31
		For Galvanized Finish, Add	*139.30*	
		For >10 To 20, Deduct	*-140.85*	
		For >20 To 40, Deduct	*-281.69*	
		For >40, Deduct	*-447.30*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,724.46	520.07
		For Galvanized Finish, Add	*140.53*	
		For >10 To 20, Deduct	*-143.11*	
		For >20 To 40, Deduct	*-286.22*	
		For >40, Deduct	*-455.34*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,935.27	544.83
		For Galvanized Finish, Add	*145.37*	
		For >10 To 20, Deduct	*-148.38*	
		For >20 To 40, Deduct	*-296.76*	
		For >40, Deduct	*-472.39*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,709.09	544.83
		For Galvanized Finish, Add	*138.58*	
		For >10 To 20, Deduct	*-142.73*	
		For >20 To 40, Deduct	*-285.45*	
		For >40, Deduct	*-455.42*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,970.87	569.60
		For Galvanized Finish, Add	*144.95*	
		For >10 To 20, Deduct	*-149.27*	
		For >20 To 40, Deduct	*-298.54*	
		For >40, Deduct	*-476.30*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,124.86	594.36
		For Galvanized Finish, Add	*148.08*	
		For >10 To 20, Deduct	*-153.12*	
		For >20 To 40, Deduct	*-306.24*	
		For >40, Deduct	*-489.08*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,877.17	569.60
		For Galvanized Finish, Add	*142.14*	
		For >10 To 20, Deduct	*-146.93*	
		For >20 To 40, Deduct	*-293.86*	
		For >40, Deduct	*-469.27*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,229.50	594.36
		For Galvanized Finish, Add	*151.22*	
		For >10 To 20, Deduct	*-155.74*	
		For >20 To 40, Deduct	*-311.48*	
		For >40, Deduct	*-496.93*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,434.54	619.12
		For Galvanized Finish, Add	*155.89*	
		For >10 To 20, Deduct	*-160.86*	
		For >20 To 40, Deduct	*-321.73*	
		For >40, Deduct	*-513.55*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*		
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,529.34	297.18
		For >10 To 20, Deduct	*-63.23*	
		For >20 To 40, Deduct	*-126.47*	
		For >40, Deduct	*-204.56*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,552.76	297.18
		For >10 To 20, Deduct	*-63.82*	
		For >20 To 40, Deduct	*-127.64*	
		For >40, Deduct	*-206.32*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,081.03	396.24
		For >10 To 20, Deduct	*-77.03*	
		For >20 To 40, Deduct	*-154.05*	
		For >40, Deduct	*-250.89*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,125.29	396.24
		For >10 To 20, Deduct	*-78.13*	
		For >20 To 40, Deduct	*-156.26*	
		For >40, Deduct	*-254.21*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,165.99	396.24
		For >10 To 20, Deduct	*-79.15*	
		For >20 To 40, Deduct	*-158.30*	
		For >40, Deduct	*-257.26*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,542.20	445.77
		For >10 To 20, Deduct	*-88.56*	
		For >20 To 40, Deduct	*-177.11*	
		For >40, Deduct	*-287.95*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,579.54	445.77
		For >10 To 20, Deduct	*-89.49*	
		For >20 To 40, Deduct	*-178.98*	
		For >40, Deduct	*-290.75*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,621.30	445.77
		For >10 To 20, Deduct	*-90.53*	
		For >20 To 40, Deduct	*-181.07*	
		For >40, Deduct	*-293.89*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,182.52	470.53
		For >10 To 20, Deduct	*-104.56*	
		For >20 To 40, Deduct	*-209.13*	
		For >40, Deduct	*-337.22*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,219.77	470.53
		For >10 To 20, Deduct	*-105.49*	
		For >20 To 40, Deduct	*-210.99*	
		For >40, Deduct	*-340.01*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,250.97	470.53
		For >10 To 20, Deduct	*-106.27*	
		For >20 To 40, Deduct	*-212.55*	
		For >40, Deduct	*-342.35*	
26 56 13 00-0105		Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*		
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,894.32	346.72
		For >10 To 20, Deduct	*-72.36*	
		For >20 To 40, Deduct	*-144.72*	
		For >40, Deduct	*-234.41*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,123.85	346.72
		For >10 To 20, Deduct	*-78.10*	
		For >20 To 40, Deduct	*-156.19*	
		For >40, Deduct	*-251.62*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,218.12	371.48
		For >10 To 20, Deduct	*-80.45*	
		For >20 To 40, Deduct	*-160.91*	
		For >40, Deduct	*-259.93*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,433.43	445.77
		For >10 To 20, Deduct	*-85.84*	
		For >20 To 40, Deduct	*-171.67*	
		For >40, Deduct	*-279.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,604.31	458.15
		For >10 To 20, Deduct	*-90.11*	
		For >20 To 40, Deduct	*-180.22*	
		For >40, Deduct	*-293.23*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,854.20	470.53
		For >10 To 20, Deduct	*-96.36*	
		For >20 To 40, Deduct	*-192.71*	
		For >40, Deduct	*-312.59*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,975.05	495.31
		For >10 To 20, Deduct	*-99.38*	
		For >20 To 40, Deduct	*-198.75*	
		For >40, Deduct	*-322.89*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,135.37	507.69
		For >10 To 20, Deduct	*-103.38*	
		For >20 To 40, Deduct	*-206.77*	
		For >40, Deduct	*-335.54*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,332.75	520.07
		For >10 To 20, Deduct	*-108.32*	
		For >20 To 40, Deduct	*-216.64*	
		For >40, Deduct	*-350.96*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,535.79	520.07
		For >10 To 20, Deduct	*-113.39*	
		For >20 To 40, Deduct	*-226.79*	
		For >40, Deduct	*-366.19*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,983.14	532.45
		For >10 To 20, Deduct	*-124.58*	
		For >20 To 40, Deduct	*-249.16*	
		For >40, Deduct	*-400.36*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,504.71	544.83
		For >10 To 20, Deduct	*-137.62*	
		For >20 To 40, Deduct	*-275.24*	
		For >40, Deduct	*-440.10*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,362.89	396.24
		For >10 To 20, Deduct	*-84.07*	
		For >20 To 40, Deduct	*-168.14*	
		For >40, Deduct	*-272.03*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,598.07	421.01
		For >10 To 20, Deduct	*-89.95*	
		For >20 To 40, Deduct	*-179.90*	
		For >40, Deduct	*-290.91*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,080.74	495.31
		For >10 To 20, Deduct	*-102.02*	
		For >20 To 40, Deduct	*-204.04*	
		For >40, Deduct	*-330.82*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,253.07	520.07
		For >10 To 20, Deduct	*-106.33*	
		For >20 To 40, Deduct	*-212.65*	
		For >40, Deduct	*-344.98*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,453.99	544.83
		For >10 To 20, Deduct	*-111.35*	
		For >20 To 40, Deduct	*-222.70*	
		For >40, Deduct	*-361.29*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,609.21	569.60
		For >10 To 20, Deduct	*-115.23*	
		For >20 To 40, Deduct	*-230.46*	
		For >40, Deduct	*-374.17*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,829.05	569.60
		For >10 To 20, Deduct	*-120.73*	
		For >20 To 40, Deduct	*-241.45*	
		For >40, Deduct	*-390.66*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,268.73	594.36
		For >10 To 20, Deduct	*-131.72*	
		For >20 To 40, Deduct	*-263.44*	
		For >40, Deduct	*-424.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,210.88	619.12
		For >10 To 20, Deduct	*-155.27*	
		For >20 To 40, Deduct	*-310.54*	
		For >40, Deduct	*-496.77*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,461.36	445.77
		For >10 To 20, Deduct	*-86.53*	
		For >20 To 40, Deduct	*-173.07*	
		For >40, Deduct	*-281.89*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,601.91	445.77
		For >10 To 20, Deduct	*-90.05*	
		For >20 To 40, Deduct	*-180.10*	
		For >40, Deduct	*-292.43*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,462.73	544.83
		For >10 To 20, Deduct	*-111.57*	
		For >20 To 40, Deduct	*-223.14*	
		For >40, Deduct	*-361.95*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,836.63	581.98
		For >10 To 20, Deduct	*-120.92*	
		For >20 To 40, Deduct	*-241.83*	
		For >40, Deduct	*-391.85*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,052.83	594.36
		For >10 To 20, Deduct	*-126.32*	
		For >20 To 40, Deduct	*-252.64*	
		For >40, Deduct	*-408.68*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,395.63	631.51
		For >10 To 20, Deduct	*-134.89*	
		For >20 To 40, Deduct	*-269.78*	
		For >40, Deduct	*-436.25*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,325.16	619.12
		For >10 To 20, Deduct	*-133.13*	
		For >20 To 40, Deduct	*-266.26*	
		For >40, Deduct	*-430.34*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,087.49	656.28
		For >10 To 20, Deduct	*-152.19*	
		For >20 To 40, Deduct	*-304.37*	
		For >40, Deduct	*-489.38*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,758.71	693.42
		For >10 To 20, Deduct	*-168.97*	
		For >20 To 40, Deduct	*-337.94*	
		For >40, Deduct	*-541.57*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,731.34	396.24
		For >10 To 20, Deduct	*-93.28*	
		For >20 To 40, Deduct	*-186.57*	
		For >40, Deduct	*-299.66*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,762.63	396.24
		For >10 To 20, Deduct	*-94.07*	
		For >20 To 40, Deduct	*-188.13*	
		For >40, Deduct	*-302.01*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,842.60	396.24
		For >10 To 20, Deduct	*-96.07*	
		For >20 To 40, Deduct	*-192.13*	
		For >40, Deduct	*-308.01*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,962.60	396.24
		For >10 To 20, Deduct	*-99.07*	
		For >20 To 40, Deduct	*-198.13*	
		For >40, Deduct	*-317.01*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,201.43	445.77
		For >10 To 20, Deduct	*-105.04*	
		For >20 To 40, Deduct	*-210.07*	
		For >40, Deduct	*-337.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,271.99	445.77
		For >10 To 20, Deduct	*-106.80*	
		For >20 To 40, Deduct	*-213.60*	
		For >40, Deduct	*-342.69*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,347.25	445.77
		For >10 To 20, Deduct	*-108.68*	
		For >20 To 40, Deduct	*-217.36*	
		For >40, Deduct	*-348.33*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,801.24	445.77
		For >10 To 20, Deduct	*-120.03*	
		For >20 To 40, Deduct	*-240.06*	
		For >40, Deduct	*-382.38*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,573.82	470.53
		For >10 To 20, Deduct	*-114.35*	
		For >20 To 40, Deduct	*-228.69*	
		For >40, Deduct	*-366.56*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,156.34	470.53
		For >10 To 20, Deduct	*-128.91*	
		For >20 To 40, Deduct	*-257.82*	
		For >40, Deduct	*-410.25*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,213.08	470.53
		For >10 To 20, Deduct	*-130.33*	
		For >20 To 40, Deduct	*-260.65*	
		For >40, Deduct	*-414.51*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,573.27	470.53
		For >10 To 20, Deduct	*-139.33*	
		For >20 To 40, Deduct	*-278.66*	
		For >40, Deduct	*-441.52*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,901.78	470.53
		For >10 To 20, Deduct	*-147.54*	
		For >20 To 40, Deduct	*-295.09*	
		For >40, Deduct	*-466.16*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,854.70	495.31
		For >10 To 20, Deduct	*-121.37*	
		For >20 To 40, Deduct	*-242.74*	
		For >40, Deduct	*-388.87*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,984.20	520.07
		For >10 To 20, Deduct	*-124.61*	
		For >20 To 40, Deduct	*-249.21*	
		For >40, Deduct	*-399.82*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,085.19	544.83
		For >10 To 20, Deduct	*-127.13*	
		For >20 To 40, Deduct	*-254.26*	
		For >40, Deduct	*-408.63*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,222.28	544.83
		For >10 To 20, Deduct	*-130.56*	
		For >20 To 40, Deduct	*-261.11*	
		For >40, Deduct	*-418.91*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,688.63	569.60
		For >10 To 20, Deduct	*-142.22*	
		For >20 To 40, Deduct	*-284.43*	
		For >40, Deduct	*-455.13*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,560.60	594.36
		For >10 To 20, Deduct	*-164.02*	
		For >20 To 40, Deduct	*-328.03*	
		For >40, Deduct	*-521.76*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,348.25	569.60
		For >10 To 20, Deduct	*-158.71*	
		For >20 To 40, Deduct	*-317.41*	
		For >40, Deduct	*-504.60*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,464.79	594.36
		For >10 To 20, Deduct	*-161.62*	
		For >20 To 40, Deduct	*-323.24*	
		For >40, Deduct	*-514.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,920.71	619.12
		For >10 To 20, Deduct	*-198.02*	
		For >20 To 40, Deduct	*-396.04*	
		For >40, Deduct	*-625.01*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,076.34	297.18
		For >10 To 20, Deduct	*-76.91*	
		For >20 To 40, Deduct	*-153.82*	
		For >40, Deduct	*-245.58*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,164.76	297.18
		For >10 To 20, Deduct	*-79.12*	
		For >20 To 40, Deduct	*-158.24*	
		For >40, Deduct	*-252.22*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,253.37	297.18
		For >10 To 20, Deduct	*-81.33*	
		For >20 To 40, Deduct	*-162.67*	
		For >40, Deduct	*-258.86*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,636.01	396.24
		For >10 To 20, Deduct	*-90.90*	
		For >20 To 40, Deduct	*-181.80*	
		For >40, Deduct	*-292.51*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,703.40	396.24
		For >10 To 20, Deduct	*-92.59*	
		For >20 To 40, Deduct	*-185.17*	
		For >40, Deduct	*-297.57*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,777.03	396.24
		For >10 To 20, Deduct	*-94.43*	
		For >20 To 40, Deduct	*-188.85*	
		For >40, Deduct	*-303.09*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,104.47	445.77
		For >10 To 20, Deduct	*-102.61*	
		For >20 To 40, Deduct	*-205.22*	
		For >40, Deduct	*-330.12*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,195.96	445.77
		For >10 To 20, Deduct	*-104.90*	
		For >20 To 40, Deduct	*-209.80*	
		For >40, Deduct	*-336.99*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,209.68	445.77
		For >10 To 20, Deduct	*-105.24*	
		For >20 To 40, Deduct	*-210.48*	
		For >40, Deduct	*-338.01*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,479.54	470.53
		For >10 To 20, Deduct	*-111.99*	
		For >20 To 40, Deduct	*-223.98*	
		For >40, Deduct	*-359.49*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,519.67	470.53
		For >10 To 20, Deduct	*-112.99*	
		For >20 To 40, Deduct	*-225.98*	
		For >40, Deduct	*-362.50*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,613.75	470.53
		For >10 To 20, Deduct	*-115.34*	
		For >20 To 40, Deduct	*-230.69*	
		For >40, Deduct	*-369.56*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	743.82	173.35
		For Galvanized Finish, Add	*11.91*	
		For >10 To 20, Deduct	*-24.55*	
		For >20 To 40, Deduct	*-45.13*	
		For >40, Deduct	*-94.24*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	815.34	198.12
		For Galvanized Finish, Add	*12.57*	
		For >10 To 20, Deduct	*-26.67*	
		For >20 To 40, Deduct	*-49.15*	
		For >40, Deduct	*-102.49*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	912.17	222.89
		For Galvanized Finish, Add	*13.99*	
		For >10 To 20, Deduct	*-29.80*	
		For >20 To 40, Deduct	*-54.94*	
		For >40, Deduct	*-114.54*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,011.21	247.65
		For Galvanized Finish, Add	*15.48*	
		For >10 To 20, Deduct	*-33.02*	
		For >20 To 40, Deduct	*-60.88*	
		For >40, Deduct	*-126.92*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,082.73	272.42
		For Galvanized Finish, Add	*16.14*	
		For >10 To 20, Deduct	*-35.14*	
		For >20 To 40, Deduct	*-64.89*	
		For >40, Deduct	*-135.17*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,148.76	297.18
		For Galvanized Finish, Add	*16.63*	
		For >10 To 20, Deduct	*-37.04*	
		For >20 To 40, Deduct	*-68.53*	
		For >40, Deduct	*-142.60*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	772.42	173.35
		For Galvanized Finish, Add	*12.77*	
		For >10 To 20, Deduct	*-25.70*	
		For >20 To 40, Deduct	*-47.14*	
		For >40, Deduct	*-98.53*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	845.04	198.12
		For Galvanized Finish, Add	*13.46*	
		For >10 To 20, Deduct	*-27.86*	
		For >20 To 40, Deduct	*-51.23*	
		For >40, Deduct	*-106.94*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	971.57	222.89
		For Galvanized Finish, Add	*15.77*	
		For >10 To 20, Deduct	*-32.18*	
		For >20 To 40, Deduct	*-59.09*	
		For >40, Deduct	*-123.45*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,049.71	247.65
		For Galvanized Finish, Add	*16.63*	
		For >10 To 20, Deduct	*-34.56*	
		For >20 To 40, Deduct	*-63.57*	
		For >40, Deduct	*-132.69*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,124.53	272.42
		For Galvanized Finish, Add	*17.39*	
		For >10 To 20, Deduct	*-36.81*	
		For >20 To 40, Deduct	*-67.82*	
		For >40, Deduct	*-141.44*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,188.36	297.18
		For Galvanized Finish, Add	*17.82*	
		For >10 To 20, Deduct	*-38.62*	
		For >20 To 40, Deduct	*-71.30*	
		For >40, Deduct	*-148.54*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,427.19	396.24
		For Galvanized Finish, Add	*19.04*	
		For >10 To 20, Deduct	*-45.20*	
		For >20 To 40, Deduct	*-84.05*	
		For >40, Deduct	*-174.45*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	772.42	173.35
		For Galvanized Finish, Add	*12.77*	
		For >10 To 20, Deduct	*-25.70*	
		For >20 To 40, Deduct	*-47.14*	
		For >40, Deduct	*-98.53*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	848.34	198.12
		For Galvanized Finish, Add	*13.56*	
		For >10 To 20, Deduct	*-27.99*	
		For >20 To 40, Deduct	*-51.46*	
		For >40, Deduct	*-107.44*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	989.17	222.89
		For Galvanized Finish, Add	*16.30*	
		For >10 To 20, Deduct	*-32.88*	
		For >20 To 40, Deduct	*-60.33*	
		For >40, Deduct	*-126.09*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,053.01	247.65
		For Galvanized Finish, Add	*16.73*	
		For >10 To 20, Deduct	*-34.69*	
		For >20 To 40, Deduct	*-63.80*	
		For >40, Deduct	*-133.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,124.53	272.42
		For Galvanized Finish, Add	*17.39*	
		For >10 To 20, Deduct	*-36.81*	
		For >20 To 40, Deduct	*-67.82*	
		For >40, Deduct	*-141.44*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,188.36	297.18
		For Galvanized Finish, Add	*17.82*	
		For >10 To 20, Deduct	*-38.62*	
		For >20 To 40, Deduct	*-71.30*	
		For >40, Deduct	*-148.54*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,457.99	396.24
		For Galvanized Finish, Add	*19.97*	
		For >10 To 20, Deduct	*-46.43*	
		For >20 To 40, Deduct	*-86.21*	
		For >40, Deduct	*-179.07*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,614.24	445.77
		For Galvanized Finish, Add	*21.68*	
		For >10 To 20, Deduct	*-51.20*	
		For >20 To 40, Deduct	*-95.17*	
		For >40, Deduct	*-197.56*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,258.76	297.18
		For Galvanized Finish, Add	*19.93*	
		For >10 To 20, Deduct	*-41.44*	
		For >20 To 40, Deduct	*-76.23*	
		For >40, Deduct	*-159.10*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,472.29	396.24
		For Galvanized Finish, Add	*20.39*	
		For >10 To 20, Deduct	*-47.00*	
		For >20 To 40, Deduct	*-87.21*	
		For >40, Deduct	*-181.22*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,641.74	445.77
		For Galvanized Finish, Add	*22.51*	
		For >10 To 20, Deduct	*-52.30*	
		For >20 To 40, Deduct	*-97.09*	
		For >40, Deduct	*-201.68*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,507.36	297.18
		For Galvanized Finish, Add	*27.39*	
		For >10 To 20, Deduct	*-51.38*	
		For >20 To 40, Deduct	*-93.63*	
		For >40, Deduct	*-196.39*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,541.46	297.18
		For Galvanized Finish, Add	*28.41*	
		For >10 To 20, Deduct	*-52.74*	
		For >20 To 40, Deduct	*-96.02*	
		For >40, Deduct	*-201.50*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,814.39	396.24
		For Galvanized Finish, Add	*30.66*	
		For >10 To 20, Deduct	*-60.69*	
		For >20 To 40, Deduct	*-111.16*	
		For >40, Deduct	*-232.53*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,884.79	396.24
		For Galvanized Finish, Add	*32.77*	
		For >10 To 20, Deduct	*-63.50*	
		For >20 To 40, Deduct	*-116.09*	
		For >40, Deduct	*-243.09*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,023.44	445.77
		For Galvanized Finish, Add	*33.96*	
		For >10 To 20, Deduct	*-67.56*	
		For >20 To 40, Deduct	*-123.81*	
		For >40, Deduct	*-258.94*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,141.14	445.77
		For Galvanized Finish, Add	*37.49*	
		For >10 To 20, Deduct	*-72.27*	
		For >20 To 40, Deduct	*-132.05*	
		For >40, Deduct	*-276.59*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,214.88	470.53
		For Galvanized Finish, Add	*38.21*	
		For >10 To 20, Deduct	*-74.48*	
		For >20 To 40, Deduct	*-136.22*	
		For >40, Deduct	*-285.18*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,287.48	470.53
		For Galvanized Finish, Add	*40.39*	
		For >10 To 20, Deduct	*-77.38*	
		For >20 To 40, Deduct	*-141.30*	
		For >40, Deduct	*-296.07*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,461.28	470.53
		For Galvanized Finish, Add	*45.61*	
		For >10 To 20, Deduct	*-84.34*	
		For >20 To 40, Deduct	*-153.47*	
		For >40, Deduct	*-322.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,497.60	495.31
		For Galvanized Finish, Add	*45.21*	
		For >10 To 20, Deduct	*-85.05*	
		For >20 To 40, Deduct	*-155.02*	
		For >40, Deduct	*-325.11*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,528.40	495.31
		For Galvanized Finish, Add	*46.13*	
		For >10 To 20, Deduct	*-86.28*	
		For >20 To 40, Deduct	*-157.18*	
		For >40, Deduct	*-329.73*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,418.48	643.90
		For Galvanized Finish, Add	*63.92*	
		For >10 To 20, Deduct	*-117.42*	
		For >20 To 40, Deduct	*-213.54*	
		For >40, Deduct	*-448.38*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,610.01	742.95
		For Galvanized Finish, Add	*63.72*	
		For >10 To 20, Deduct	*-122.11*	
		For >20 To 40, Deduct	*-222.98*	
		For >40, Deduct	*-467.21*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,362.19	396.24
		For Galvanized Finish, Add	*47.09*	
		For >10 To 20, Deduct	*-82.60*	
		For >20 To 40, Deduct	*-149.50*	
		For >40, Deduct	*-314.70*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,679.04	445.77
		For Galvanized Finish, Add	*53.63*	
		For >10 To 20, Deduct	*-93.79*	
		For >20 To 40, Deduct	*-169.70*	
		For >40, Deduct	*-357.28*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,090.50	495.31
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-108.76*	
		For >20 To 40, Deduct	*-196.52*	
		For >40, Deduct	*-414.05*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,761.68	643.90
		For Galvanized Finish, Add	*74.22*	
		For >10 To 20, Deduct	*-131.15*	
		For >20 To 40, Deduct	*-237.56*	
		For >40, Deduct	*-499.86*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,384.41	742.95
		For Galvanized Finish, Add	*86.96*	
		For >10 To 20, Deduct	*-153.09*	
		For >20 To 40, Deduct	*-277.19*	
		For >40, Deduct	*-583.37*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,832.11	742.95
		For Galvanized Finish, Add	*100.39*	
		For >10 To 20, Deduct	*-171.00*	
		For >20 To 40, Deduct	*-308.53*	
		For >40, Deduct	*-650.52*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,328.11	742.95
		For Galvanized Finish, Add	*145.27*	
		For >10 To 20, Deduct	*-230.84*	
		For >20 To 40, Deduct	*-413.25*	
		For >40, Deduct	*-874.92*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,054.11	742.95
		For Galvanized Finish, Add	*167.05*	
		For >10 To 20, Deduct	*-259.88*	
		For >20 To 40, Deduct	*-464.07*	
		For >40, Deduct	*-983.82*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	735.02	173.35
		For Galvanized Finish, Add	*11.65*	
		For >10 To 20, Deduct	*-24.20*	
		For >20 To 40, Deduct	*-44.52*	
		For >40, Deduct	*-92.92*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	784.54	198.12
		For Galvanized Finish, Add	*11.65*	
		For >10 To 20, Deduct	*-25.44*	
		For >20 To 40, Deduct	*-46.99*	
		For >40, Deduct	*-97.87*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	852.77	222.89
		For Galvanized Finish, Add	*12.21*	
		For >10 To 20, Deduct	*-27.42*	
		For >20 To 40, Deduct	*-50.78*	
		For >40, Deduct	*-105.63*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	903.93	235.27
		For Galvanized Finish, Add	*13.00*	
		For >10 To 20, Deduct	*-29.10*	
		For >20 To 40, Deduct	*-53.86*	
		For >40, Deduct	*-112.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	928.71	247.65
		For Galvanized Finish, Add	*13.00*	
		For >10 To 20, Deduct	*-29.72*	
		For >20 To 40, Deduct	*-55.10*	
		For >40, Deduct	*-114.54*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	990.33	272.42
		For Galvanized Finish, Add	*13.37*	
		For >10 To 20, Deduct	*-31.44*	
		For >20 To 40, Deduct	*-58.43*	
		For >40, Deduct	*-121.31*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,049.76	297.18
		For Galvanized Finish, Add	*13.66*	
		For >10 To 20, Deduct	*-33.08*	
		For >20 To 40, Deduct	*-61.60*	
		For >40, Deduct	*-127.75*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,313.89	396.24
		For Galvanized Finish, Add	*15.64*	
		For >10 To 20, Deduct	*-40.67*	
		For >20 To 40, Deduct	*-76.12*	
		For >40, Deduct	*-157.46*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,198.26	297.18
		For Galvanized Finish, Add	*18.12*	
		For >10 To 20, Deduct	*-39.02*	
		For >20 To 40, Deduct	*-71.99*	
		For >40, Deduct	*-150.02*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,518.49	396.24
		For Galvanized Finish, Add	*21.78*	
		For >10 To 20, Deduct	*-48.85*	
		For >20 To 40, Deduct	*-90.44*	
		For >40, Deduct	*-188.15*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,737.44	445.77
		For Galvanized Finish, Add	*25.38*	
		For >10 To 20, Deduct	*-56.12*	
		For >20 To 40, Deduct	*-103.79*	
		For >40, Deduct	*-216.04*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,157.56	297.18
		For Galvanized Finish, Add	*16.90*	
		For >10 To 20, Deduct	*-37.39*	
		For >20 To 40, Deduct	*-69.14*	
		For >40, Deduct	*-143.92*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,439.29	396.24
		For Galvanized Finish, Add	*19.40*	
		For >10 To 20, Deduct	*-45.68*	
		For >20 To 40, Deduct	*-84.90*	
		For >40, Deduct	*-176.27*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,669.24	445.77
		For Galvanized Finish, Add	*23.33*	
		For >10 To 20, Deduct	*-53.40*	
		For >20 To 40, Deduct	*-99.02*	
		For >40, Deduct	*-205.81*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,297.26	297.18
		For Galvanized Finish, Add	*21.09*	
		For >10 To 20, Deduct	*-42.98*	
		For >20 To 40, Deduct	*-78.92*	
		For >40, Deduct	*-164.87*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,617.49	396.24
		For Galvanized Finish, Add	*24.75*	
		For >10 To 20, Deduct	*-52.81*	
		For >20 To 40, Deduct	*-97.37*	
		For >40, Deduct	*-203.00*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,830.94	445.77
		For Galvanized Finish, Add	*28.18*	
		For >10 To 20, Deduct	*-59.86*	
		For >20 To 40, Deduct	*-110.34*	
		For >40, Deduct	*-230.06*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,016.88	470.53
		For Galvanized Finish, Add	*32.27*	
		For >10 To 20, Deduct	*-66.56*	
		For >20 To 40, Deduct	*-122.36*	
		For >40, Deduct	*-255.48*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,047.64	445.77
		For Galvanized Finish, Add	*34.68*	
		For >10 To 20, Deduct	*-68.53*	
		For >20 To 40, Deduct	*-125.50*	
		For >40, Deduct	*-262.57*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,234.68	470.53
		For Galvanized Finish, Add	*38.81*	
		For >10 To 20, Deduct	*-75.27*	
		For >20 To 40, Deduct	*-137.61*	
		For >40, Deduct	*-288.15*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,362.30	495.31
		For Galvanized Finish, Add	*41.15*	
		For >10 To 20, Deduct	*-79.63*	
		For >20 To 40, Deduct	*-145.55*	
		For >40, Deduct	*-304.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*		
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,418.39	297.18
		For Galvanized Finish, Add	*54.72*	
		For >10 To 20, Deduct	*-87.82*	
		For >20 To 40, Deduct	*-157.40*	
		For >40, Deduct	*-333.04*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,740.54	396.24
		For Galvanized Finish, Add	*58.44*	
		For >10 To 20, Deduct	*-97.73*	
		For >20 To 40, Deduct	*-175.99*	
		For >40, Deduct	*-371.46*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,766.23	445.77
		For Galvanized Finish, Add	*86.24*	
		For >10 To 20, Deduct	*-137.28*	
		For >20 To 40, Deduct	*-245.81*	
		For >40, Deduct	*-520.36*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,462.85	297.18
		For Galvanized Finish, Add	*56.05*	
		For >10 To 20, Deduct	*-89.60*	
		For >20 To 40, Deduct	*-160.51*	
		For >40, Deduct	*-339.71*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,999.11	396.24
		For Galvanized Finish, Add	*66.20*	
		For >10 To 20, Deduct	*-108.08*	
		For >20 To 40, Deduct	*-194.09*	
		For >40, Deduct	*-410.24*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,151.16	445.77
		For Galvanized Finish, Add	*97.79*	
		For >10 To 20, Deduct	*-152.67*	
		For >20 To 40, Deduct	*-272.75*	
		For >40, Deduct	*-578.10*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,737.73	470.53
		For Galvanized Finish, Add	*113.90*	
		For >10 To 20, Deduct	*-175.39*	
		For >20 To 40, Deduct	*-312.82*	
		For >40, Deduct	*-663.61*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,532.54	495.31
		For Galvanized Finish, Add	*136.26*	
		For >10 To 20, Deduct	*-206.44*	
		For >20 To 40, Deduct	*-367.47*	
		For >40, Deduct	*-780.35*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,348.19	297.18
		For Galvanized Finish, Add	*52.61*	
		For >10 To 20, Deduct	*-85.01*	
		For >20 To 40, Deduct	*-152.49*	
		For >40, Deduct	*-322.51*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,628.22	396.24
		For Galvanized Finish, Add	*55.07*	
		For >10 To 20, Deduct	*-93.24*	
		For >20 To 40, Deduct	*-168.13*	
		For >40, Deduct	*-354.61*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,568.50	445.77
		For Galvanized Finish, Add	*80.31*	
		For >10 To 20, Deduct	*-129.37*	
		For >20 To 40, Deduct	*-231.96*	
		For >40, Deduct	*-490.70*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,428.92	297.18
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-88.24*	
		For >20 To 40, Deduct	*-158.14*	
		For >40, Deduct	*-334.62*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,893.81	396.24
		For Galvanized Finish, Add	*63.04*	
		For >10 To 20, Deduct	*-103.87*	
		For >20 To 40, Deduct	*-186.72*	
		For >40, Deduct	*-394.45*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	4,004.91	445.77
		For Galvanized Finish, Add	*93.40*	
		For >10 To 20, Deduct	*-146.82*	
		For >20 To 40, Deduct	*-262.51*	
		For >40, Deduct	*-556.16*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,552.94	297.18
		For Galvanized Finish, Add	*58.76*	
		For >10 To 20, Deduct	*-93.20*	
		For >20 To 40, Deduct	*-166.82*	
		For >40, Deduct	*-353.22*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,117.28	396.24
		For Galvanized Finish, Add	*69.74*	
		For >10 To 20, Deduct	*-112.80*	
		For >20 To 40, Deduct	*-202.36*	
		For >40, Deduct	*-427.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,268.16	445.77
		For Galvanized Finish, Add	*101.30*	
		For >10 To 20, Deduct	*-157.35*	
		For >20 To 40, Deduct	*-280.94*	
		For >40, Deduct	*-595.65*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,880.47	470.53
		For Galvanized Finish, Add	*118.18*	
		For >10 To 20, Deduct	*-181.10*	
		For >20 To 40, Deduct	*-322.81*	
		For >40, Deduct	*-685.02*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,608.59	495.31
		For Galvanized Finish, Add	*138.54*	
		For >10 To 20, Deduct	*-209.48*	
		For >20 To 40, Deduct	*-372.79*	
		For >40, Deduct	*-791.76*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	1,878.06	297.18
		For Galvanized Finish, Add	*38.51*	
		For >10 To 20, Deduct	*-66.21*	
		For >20 To 40, Deduct	*-119.58*	
		For >40, Deduct	*-251.99*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,302.79	396.24
		For Galvanized Finish, Add	*45.31*	
		For >10 To 20, Deduct	*-80.22*	
		For >20 To 40, Deduct	*-145.35*	
		For >40, Deduct	*-305.79*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,565.74	445.77
		For Galvanized Finish, Add	*50.23*	
		For >10 To 20, Deduct	*-89.26*	
		For >20 To 40, Deduct	*-161.77*	
		For >40, Deduct	*-340.28*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,831.98	470.53
		For Galvanized Finish, Add	*56.73*	
		For >10 To 20, Deduct	*-99.16*	
		For >20 To 40, Deduct	*-179.42*	
		For >40, Deduct	*-377.74*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,984.90	495.31
		For Galvanized Finish, Add	*59.83*	
		For >10 To 20, Deduct	*-104.54*	
		For >20 To 40, Deduct	*-189.13*	
		For >40, Deduct	*-398.21*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,371.96	297.18
		For Galvanized Finish, Add	*53.33*	
		For >10 To 20, Deduct	*-85.96*	
		For >20 To 40, Deduct	*-154.15*	
		For >40, Deduct	*-326.08*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,689.99	396.24
		For Galvanized Finish, Add	*56.93*	
		For >10 To 20, Deduct	*-95.71*	
		For >20 To 40, Deduct	*-172.45*	
		For >40, Deduct	*-363.87*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,882.54	445.77
		For Galvanized Finish, Add	*59.73*	
		For >10 To 20, Deduct	*-101.93*	
		For >20 To 40, Deduct	*-183.95*	
		For >40, Deduct	*-387.80*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,172.94	445.77
		For Galvanized Finish, Add	*68.44*	
		For >10 To 20, Deduct	*-113.54*	
		For >20 To 40, Deduct	*-204.28*	
		For >40, Deduct	*-431.36*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,431.48	470.53
		For Galvanized Finish, Add	*74.71*	
		For >10 To 20, Deduct	*-123.14*	
		For >20 To 40, Deduct	*-221.38*	
		For >40, Deduct	*-467.67*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,791.18	470.53
		For Galvanized Finish, Add	*85.50*	
		For >10 To 20, Deduct	*-137.53*	
		For >20 To 40, Deduct	*-246.56*	
		For >40, Deduct	*-521.62*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,497.50	495.31
		For Galvanized Finish, Add	*75.21*	
		For >10 To 20, Deduct	*-125.04*	
		For >20 To 40, Deduct	*-225.01*	
		For >40, Deduct	*-475.10*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,383.00	495.31
		For Galvanized Finish, Add	*101.77*	
		For >10 To 20, Deduct	*-160.46*	
		For >20 To 40, Deduct	*-287.00*	
		For >40, Deduct	*-607.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,167.58	643.90
		For Galvanized Finish, Add	*86.39*	
		For >10 To 20, Deduct	*-147.39*	
		For >20 To 40, Deduct	*-265.98*	
		For >40, Deduct	*-560.75*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,771.48	643.90
		For Galvanized Finish, Add	*104.51*	
		For >10 To 20, Deduct	*-171.54*	
		For >20 To 40, Deduct	*-308.25*	
		For >40, Deduct	*-651.33*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,000.41	742.95
		For Galvanized Finish, Add	*105.44*	
		For >10 To 20, Deduct	*-177.73*	
		For >20 To 40, Deduct	*-320.31*	
		For >40, Deduct	*-675.77*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	39.00
26 56 13 00-0292	EA	Festoon Outlet Provision For Steel Area Light Poles Note: Excludes electrical outlet.	54.00
26 56 13 00-0293	EA	Extra Handhole For Steel Area Light Poles	58.00
26 56 13 00-0294	EA	Vibration Dampener For Steel Area Light Poles	59.00

26 56 13 00-0295 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0298	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	726.18	148.59
		For Bronze Or Satin Anodized Finish, Add	*42.90*	
		For Black Anodized Finish, Add	*85.80*	
		For >10 To 20, Deduct	*-24.59*	
		For >20 To 40, Deduct	*-44.89*	
		For >40, Deduct	*-94.07*	
26 56 13 00-0299	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	797.72	173.35
		For Bronze Or Satin Anodized Finish, Add	*45.10*	
		For Black Anodized Finish, Add	*90.20*	
		For >10 To 20, Deduct	*-26.71*	
		For >20 To 40, Deduct	*-48.91*	
		For >40, Deduct	*-102.32*	
26 56 13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	874.74	198.12
		For Bronze Or Satin Anodized Finish, Add	*47.85*	
		For Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-29.05*	
		For >20 To 40, Deduct	*-53.31*	
		For >40, Deduct	*-111.40*	
26 56 13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	952.87	222.89
		For Bronze Or Satin Anodized Finish, Add	*50.71*	
		For Black Anodized Finish, Add	*101.42*	
		For >10 To 20, Deduct	*-31.43*	
		For >20 To 40, Deduct	*-57.79*	
		For >40, Deduct	*-120.64*	
26 56 13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	996.33	235.27
		For Bronze Or Satin Anodized Finish, Add	*52.58*	
		For Black Anodized Finish, Add	*105.16*	
		For >10 To 20, Deduct	*-32.80*	
		For >20 To 40, Deduct	*-60.33*	
		For >40, Deduct	*-125.92*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,038.71	247.65
		For Bronze Or Satin Anodized Finish, Add	*54.34*	
		For Black Anodized Finish, Add	*108.68*	
		For >10 To 20, Deduct	*-34.12*	
		For >20 To 40, Deduct	*-62.80*	
		For >40, Deduct	*-131.04*	
26 56 13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,104.71	247.65
		For Bronze Or Satin Anodized Finish, Add	*60.94*	
		For Black Anodized Finish, Add	*121.88*	
		For >10 To 20, Deduct	*-36.76*	
		For >20 To 40, Deduct	*-67.42*	
		For >40, Deduct	*-140.94*	
26 56 13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,196.03	272.42
		For Bronze Or Satin Anodized Finish, Add	*65.12*	
		For Black Anodized Finish, Add	*130.24*	
		For >10 To 20, Deduct	*-39.67*	
		For >20 To 40, Deduct	*-72.83*	
		For >40, Deduct	*-152.16*	
26 56 13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,280.76	297.18
		For Bronze Or Satin Anodized Finish, Add	*68.64*	
		For Black Anodized Finish, Add	*137.28*	
		For >10 To 20, Deduct	*-42.32*	
		For >20 To 40, Deduct	*-77.77*	
		For >40, Deduct	*-162.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,239.43	235.27
		For Bronze Or Satin Anodized Finish, Add	*76.89*	
		For Black Anodized Finish, Add	*153.78*	
		For >10 To 20, Deduct	*-42.52*	
		For >20 To 40, Deduct	*-77.35*	
		For >40, Deduct	*-162.39*	
26 56 13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,523.86	297.18
		For Bronze Or Satin Anodized Finish, Add	*92.95*	
		For Black Anodized Finish, Add	*185.90*	
		For >10 To 20, Deduct	*-52.04*	
		For >20 To 40, Deduct	*-94.78*	
		For >40, Deduct	*-198.86*	
26 56 13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,647.06	297.18
		For Bronze Or Satin Anodized Finish, Add	*105.27*	
		For Black Anodized Finish, Add	*210.54*	
		For >10 To 20, Deduct	*-56.97*	
		For >20 To 40, Deduct	*-103.41*	
		For >40, Deduct	*-217.34*	
26 56 13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,960.69	396.24
		For Bronze Or Satin Anodized Finish, Add	*116.82*	
		For Black Anodized Finish, Add	*233.64*	
		For >10 To 20, Deduct	*-66.54*	
		For >20 To 40, Deduct	*-121.40*	
		For >40, Deduct	*-254.48*	
26 56 13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,278.64	445.77
		For Bronze Or Satin Anodized Finish, Add	*138.71*	
		For Black Anodized Finish, Add	*277.42*	
		For >10 To 20, Deduct	*-77.77*	
		For >20 To 40, Deduct	*-141.67*	
		For >40, Deduct	*-297.22*	
26 56 13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,356.66	297.18
		For Bronze Or Satin Anodized Finish, Add	*76.23*	
		For Black Anodized Finish, Add	*152.46*	
		For >10 To 20, Deduct	*-45.35*	
		For >20 To 40, Deduct	*-83.08*	
		For >40, Deduct	*-173.78*	
26 56 13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,637.16	297.18
		For Bronze Or Satin Anodized Finish, Add	*104.28*	
		For Black Anodized Finish, Add	*208.56*	
		For >10 To 20, Deduct	*-56.57*	
		For >20 To 40, Deduct	*-102.71*	
		For >40, Deduct	*-215.86*	
26 56 13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,943.09	396.24
		For Bronze Or Satin Anodized Finish, Add	*115.06*	
		For Black Anodized Finish, Add	*230.12*	
		For >10 To 20, Deduct	*-65.84*	
		For >20 To 40, Deduct	*-120.17*	
		For >40, Deduct	*-251.84*	
26 56 13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,102.59	396.24
		For Bronze Or Satin Anodized Finish, Add	*131.01*	
		For Black Anodized Finish, Add	*262.02*	
		For >10 To 20, Deduct	*-72.22*	
		For >20 To 40, Deduct	*-131.33*	
		For >40, Deduct	*-275.76*	
26 56 13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,459.04	445.77
		For Bronze Or Satin Anodized Finish, Add	*156.75*	
		For Black Anodized Finish, Add	*313.50*	
		For >10 To 20, Deduct	*-84.99*	
		For >20 To 40, Deduct	*-154.30*	
		For >40, Deduct	*-324.28*	

26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	838.38	148.59
		For Bronze, Satin Or Black Anodized Finish, Add	*81.18*	
		For >10 To 20, Deduct	*-29.08*	
		For >20 To 40, Deduct	*-52.74*	
		For >40, Deduct	*-110.90*	
26 56 13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	931.92	173.35
		For Bronze, Satin Or Black Anodized Finish, Add	*87.78*	
		For >10 To 20, Deduct	*-32.08*	
		For >20 To 40, Deduct	*-58.30*	
		For >40, Deduct	*-122.45*	
26 56 13 00-0320	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,021.04	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*93.72*	
		For >10 To 20, Deduct	*-34.90*	
		For >20 To 40, Deduct	*-63.55*	
		For >40, Deduct	*-133.34*	
26 56 13 00-0321	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,089.27	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*96.53*	
		For >10 To 20, Deduct	*-36.88*	
		For >20 To 40, Deduct	*-67.33*	
		For >40, Deduct	*-141.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0322	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,170.71	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*101.31*	
		For >10 To 20, Deduct	*-39.40*	
		For >20 To 40, Deduct	*-72.04*	
		For >40, Deduct	*-150.84*	
26 56 13 00-0323	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	955.02	173.35
		For Bronze, Satin Or Black Anodized Finish, Add	*91.25*	
		For >10 To 20, Deduct	*-33.00*	
		For >20 To 40, Deduct	*-59.92*	
		For >40, Deduct	*-125.92*	
26 56 13 00-0324	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,041.94	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*96.86*	
		For >10 To 20, Deduct	*-35.73*	
		For >20 To 40, Deduct	*-65.01*	
		For >40, Deduct	*-136.48*	
26 56 13 00-0325	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,132.17	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*102.96*	
		For >10 To 20, Deduct	*-38.60*	
		For >20 To 40, Deduct	*-70.34*	
		For >40, Deduct	*-147.54*	
26 56 13 00-0326	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,221.31	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*108.90*	
		For >10 To 20, Deduct	*-41.42*	
		For >20 To 40, Deduct	*-75.59*	
		For >40, Deduct	*-158.43*	
26 56 13 00-0327	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,315.93	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*115.67*	
		For >10 To 20, Deduct	*-44.46*	
		For >20 To 40, Deduct	*-81.22*	
		For >40, Deduct	*-170.15*	
26 56 13 00-0328	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,403.96	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*121.44*	
		For >10 To 20, Deduct	*-47.24*	
		For >20 To 40, Deduct	*-86.39*	
		For >40, Deduct	*-180.88*	
26 56 13 00-0329	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,084.84	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*103.29*	
		For >10 To 20, Deduct	*-37.45*	
		For >20 To 40, Deduct	*-68.01*	
		For >40, Deduct	*-142.91*	
26 56 13 00-0330	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,182.77	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*110.55*	
		For >10 To 20, Deduct	*-40.62*	
		For >20 To 40, Deduct	*-73.88*	
		For >40, Deduct	*-155.13*	
26 56 13 00-0331	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,279.61	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*117.65*	
		For >10 To 20, Deduct	*-43.75*	
		For >20 To 40, Deduct	*-79.67*	
		For >40, Deduct	*-167.18*	
26 56 13 00-0332	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,378.63	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*125.07*	
		For >10 To 20, Deduct	*-46.97*	
		For >20 To 40, Deduct	*-85.61*	
		For >40, Deduct	*-179.55*	
26 56 13 00-0333	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,341.21	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*126.89*	
		For >10 To 20, Deduct	*-46.22*	
		For >20 To 40, Deduct	*-83.98*	
		For >40, Deduct	*-176.42*	
26 56 13 00-0334	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,548.06	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*143.06*	
		For >10 To 20, Deduct	*-53.01*	
		For >20 To 40, Deduct	*-96.48*	
		For >40, Deduct	*-202.49*	
26 56 13 00-0335	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,125.54	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*109.40*	
		For >10 To 20, Deduct	*-39.08*	
		For >20 To 40, Deduct	*-70.86*	
		For >40, Deduct	*-149.02*	
26 56 13 00-0336	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,235.57	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*118.47*	
		For >10 To 20, Deduct	*-42.74*	
		For >20 To 40, Deduct	*-77.57*	
		For >40, Deduct	*-163.05*	
26 56 13 00-0337	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,334.61	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*125.90*	
		For >10 To 20, Deduct	*-45.95*	
		For >20 To 40, Deduct	*-83.52*	
		For >40, Deduct	*-175.43*	
26 56 13 00-0338	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,440.23	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*134.31*	
		For >10 To 20, Deduct	*-49.44*	
		For >20 To 40, Deduct	*-89.92*	
		For >40, Deduct	*-188.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0339	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,542.56	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*142.23*	
		For >10 To 20, Deduct	*-52.79*	
		For >20 To 40, Deduct	*-96.09*	
		For >40, Deduct	*-201.67*	
26 56 13 00-0340	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,414.91	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*137.94*	
		For >10 To 20, Deduct	*-49.17*	
		For >20 To 40, Deduct	*-89.14*	
		For >40, Deduct	*-187.47*	
26 56 13 00-0341	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,530.43	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*147.84*	
		For >10 To 20, Deduct	*-53.04*	
		For >20 To 40, Deduct	*-96.23*	
		For >40, Deduct	*-202.32*	
26 56 13 00-0342	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,576.66	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*147.35*	
		For >10 To 20, Deduct	*-54.15*	
		For >20 To 40, Deduct	*-98.48*	
		For >40, Deduct	*-206.78*	

26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0296)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0344	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	652.45	123.83
		For Bronze Or Satin Anodized Finish, Add	*40.48*	
		For Black Anodized Finish, Add	*80.96*	
		For >10 To 20, Deduct	*-22.38*	
		For >20 To 40, Deduct	*-40.72*	
		For >40, Deduct	*-85.49*	
26 56 13 00-0345	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	698.12	136.21
		For Bronze Or Satin Anodized Finish, Add	*42.57*	
		For Black Anodized Finish, Add	*85.14*	
		For >10 To 20, Deduct	*-23.84*	
		For >20 To 40, Deduct	*-43.42*	
		For >40, Deduct	*-91.10*	
26 56 13 00-0346	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	772.38	148.59
		For Bronze Or Satin Anodized Finish, Add	*47.52*	
		For Black Anodized Finish, Add	*95.04*	
		For >10 To 20, Deduct	*-26.44*	
		For >20 To 40, Deduct	*-48.12*	
		For >40, Deduct	*-101.00*	
26 56 13 00-0347	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	797.68	148.59
		For Bronze Or Satin Anodized Finish, Add	*50.05*	
		For Black Anodized Finish, Add	*100.10*	
		For >10 To 20, Deduct	*-27.45*	
		For >20 To 40, Deduct	*-49.89*	
		For >40, Deduct	*-104.79*	
26 56 13 00-0348	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	829.58	148.59
		For Bronze Or Satin Anodized Finish, Add	*53.24*	
		For Black Anodized Finish, Add	*106.48*	
		For >10 To 20, Deduct	*-28.73*	
		For >20 To 40, Deduct	*-52.13*	
		For >40, Deduct	*-109.58*	
26 56 13 00-0349	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	951.14	160.97
		For Bronze Or Satin Anodized Finish, Add	*62.92*	
		For Black Anodized Finish, Add	*125.84*	
		For >10 To 20, Deduct	*-33.22*	
		For >20 To 40, Deduct	*-60.14*	
		For >40, Deduct	*-126.57*	
26 56 13 00-0350	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,016.62	173.35
		For Bronze Or Satin Anodized Finish, Add	*66.99*	
		For Black Anodized Finish, Add	*133.98*	
		For >10 To 20, Deduct	*-35.46*	
		For >20 To 40, Deduct	*-64.23*	
		For >40, Deduct	*-135.16*	
26 56 13 00-0351	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,187.12	173.35
		For Bronze Or Satin Anodized Finish, Add	*84.04*	
		For Black Anodized Finish, Add	*168.08*	
		For >10 To 20, Deduct	*-42.28*	
		For >20 To 40, Deduct	*-76.16*	
		For >40, Deduct	*-160.73*	
26 56 13 00-0352	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,455.54	198.12
		For Bronze Or Satin Anodized Finish, Add	*105.93*	
		For Black Anodized Finish, Add	*211.86*	
		For >10 To 20, Deduct	*-52.28*	
		For >20 To 40, Deduct	*-93.96*	
		For >40, Deduct	*-198.52*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,652.47	222.89
		For Bronze Or Satin Anodized Finish, Add	*120.67*	
		For Black Anodized Finish, Add	*241.34*	
		For >10 To 20, Deduct	*-59.41*	
		For >20 To 40, Deduct	*-106.76*	
		For >40, Deduct	*-225.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0354	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,853.77	222.89
		For Bronze Or Satin Anodized Finish, Add	*140.80*	
		For Black Anodized Finish, Add	*281.60*	
		For >10 To 20, Deduct	*-67.46*	
		For >20 To 40, Deduct	*-120.85*	
		For >40, Deduct	*-255.78*	

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0355)*

26 56 13 00-0357	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	608.48	148.59
		For Bronze Or Satin Anodized Finish, Add	*31.13*	
		For Black Anodized Finish, Add	*62.26*	
		For >10 To 20, Deduct	*-19.88*	
		For >20 To 40, Deduct	*-36.65*	
		For >40, Deduct	*-76.41*	
26 56 13 00-0358	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	683.32	173.35
		For Bronze Or Satin Anodized Finish, Add	*33.66*	
		For Black Anodized Finish, Add	*67.32*	
		For >10 To 20, Deduct	*-22.13*	
		For >20 To 40, Deduct	*-40.90*	
		For >40, Deduct	*-85.16*	
26 56 13 00-0359	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	758.14	198.12
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.38*	
		For >10 To 20, Deduct	*-24.38*	
		For >20 To 40, Deduct	*-45.15*	
		For >40, Deduct	*-93.91*	
26 56 13 00-0360	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	842.87	222.89
		For Bronze Or Satin Anodized Finish, Add	*39.71*	
		For Black Anodized Finish, Add	*79.42*	
		For >10 To 20, Deduct	*-27.03*	
		For >20 To 40, Deduct	*-50.09*	
		For >40, Deduct	*-104.14*	
26 56 13 00-0361	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	926.51	247.65
		For Bronze Or Satin Anodized Finish, Add	*43.12*	
		For Black Anodized Finish, Add	*86.24*	
		For >10 To 20, Deduct	*-29.63*	
		For >20 To 40, Deduct	*-54.95*	
		For >40, Deduct	*-114.21*	
26 56 13 00-0362	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	711.92	173.35
		For Bronze Or Satin Anodized Finish, Add	*36.52*	
		For Black Anodized Finish, Add	*73.04*	
		For >10 To 20, Deduct	*-23.28*	
		For >20 To 40, Deduct	*-42.90*	
		For >40, Deduct	*-89.45*	
26 56 13 00-0363	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	803.24	198.12
		For Bronze Or Satin Anodized Finish, Add	*40.70*	
		For Black Anodized Finish, Add	*81.40*	
		For >10 To 20, Deduct	*-26.19*	
		For >20 To 40, Deduct	*-48.30*	
		For >40, Deduct	*-100.67*	
26 56 13 00-0364	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	891.27	222.89
		For Bronze Or Satin Anodized Finish, Add	*44.55*	
		For Black Anodized Finish, Add	*89.10*	
		For >10 To 20, Deduct	*-28.96*	
		For >20 To 40, Deduct	*-53.47*	
		For >40, Deduct	*-111.40*	
26 56 13 00-0365	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,059.63	272.42
		For Bronze Or Satin Anodized Finish, Add	*51.48*	
		For Black Anodized Finish, Add	*102.96*	
		For >10 To 20, Deduct	*-34.21*	
		For >20 To 40, Deduct	*-63.28*	
		For >40, Deduct	*-131.70*	
26 56 13 00-0366	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,136.66	297.18
		For Bronze Or Satin Anodized Finish, Add	*54.23*	
		For Black Anodized Finish, Add	*108.46*	
		For >10 To 20, Deduct	*-36.55*	
		For >20 To 40, Deduct	*-67.68*	
		For >40, Deduct	*-140.78*	
26 56 13 00-0367	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	843.94	198.12
		For Bronze Or Satin Anodized Finish, Add	*44.77*	
		For Black Anodized Finish, Add	*89.54*	
		For >10 To 20, Deduct	*-27.81*	
		For >20 To 40, Deduct	*-51.15*	
		For >40, Deduct	*-106.78*	
26 56 13 00-0368	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	938.57	222.89
		For Bronze Or Satin Anodized Finish, Add	*49.28*	
		For Black Anodized Finish, Add	*98.56*	
		For >10 To 20, Deduct	*-30.86*	
		For >20 To 40, Deduct	*-56.78*	
		For >40, Deduct	*-118.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,040.91	247.65
		For Bronze Or Satin Anodized Finish, Add	*54.56*	
		For Black Anodized Finish, Add	*109.12*	
		For >10 To 20, Deduct	*-34.21*	
		For >20 To 40, Deduct	*-62.96*	
		For >40, Deduct	*-131.37*	
26 56 13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,123.43	272.42
		For Bronze Or Satin Anodized Finish, Add	*57.86*	
		For Black Anodized Finish, Add	*115.72*	
		For >10 To 20, Deduct	*-36.76*	
		For >20 To 40, Deduct	*-67.74*	
		For >40, Deduct	*-141.27*	
26 56 13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,221.36	297.18
		For Bronze Or Satin Anodized Finish, Add	*62.70*	
		For Black Anodized Finish, Add	*125.40*	
		For >10 To 20, Deduct	*-39.94*	
		For >20 To 40, Deduct	*-73.61*	
		For >40, Deduct	*-153.49*	
26 56 13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,148.71	247.65
		For Bronze Or Satin Anodized Finish, Add	*65.34*	
		For Black Anodized Finish, Add	*130.68*	
		For >10 To 20, Deduct	*-38.52*	
		For >20 To 40, Deduct	*-70.50*	
		For >40, Deduct	*-147.54*	
26 56 13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,260.93	272.42
		For Bronze Or Satin Anodized Finish, Add	*71.61*	
		For Black Anodized Finish, Add	*143.22*	
		For >10 To 20, Deduct	*-42.26*	
		For >20 To 40, Deduct	*-77.37*	
		For >40, Deduct	*-161.90*	
26 56 13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,328.06	297.18
		For Bronze Or Satin Anodized Finish, Add	*73.37*	
		For Black Anodized Finish, Add	*146.74*	
		For >10 To 20, Deduct	*-44.21*	
		For >20 To 40, Deduct	*-81.08*	
		For >40, Deduct	*-169.49*	
26 56 13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,525.02	346.72
		For Bronze Or Satin Anodized Finish, Add	*83.16*	
		For Black Anodized Finish, Add	*166.32*	
		For >10 To 20, Deduct	*-50.60*	
		For >20 To 40, Deduct	*-92.88*	
		For >40, Deduct	*-194.08*	
26 56 13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,728.59	396.24
		For Bronze Or Satin Anodized Finish, Add	*93.61*	
		For Black Anodized Finish, Add	*187.22*	
		For >10 To 20, Deduct	*-57.26*	
		For >20 To 40, Deduct	*-105.15*	
		For >40, Deduct	*-219.66*	
26 56 13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,368.73	272.42
		For Bronze Or Satin Anodized Finish, Add	*82.39*	
		For Black Anodized Finish, Add	*164.78*	
		For >10 To 20, Deduct	*-46.58*	
		For >20 To 40, Deduct	*-84.91*	
		For >40, Deduct	*-178.07*	
26 56 13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,458.96	297.18
		For Bronze Or Satin Anodized Finish, Add	*86.46*	
		For Black Anodized Finish, Add	*172.92*	
		For >10 To 20, Deduct	*-49.44*	
		For >20 To 40, Deduct	*-90.24*	
		For >40, Deduct	*-189.13*	
26 56 13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,628.42	346.72
		For Bronze Or Satin Anodized Finish, Add	*93.50*	
		For Black Anodized Finish, Add	*187.00*	
		For >10 To 20, Deduct	*-54.74*	
		For >20 To 40, Deduct	*-100.12*	
		For >40, Deduct	*-209.59*	
26 56 13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,807.79	396.24
		For Bronze Or Satin Anodized Finish, Add	*101.53*	
		For Black Anodized Finish, Add	*203.06*	
		For >10 To 20, Deduct	*-60.42*	
		For >20 To 40, Deduct	*-110.70*	
		For >40, Deduct	*-231.54*	
26 56 13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,946.41	421.01
		For Bronze Or Satin Anodized Finish, Add	*110.44*	
		For Black Anodized Finish, Add	*220.88*	
		For >10 To 20, Deduct	*-65.23*	
		For >20 To 40, Deduct	*-119.41*	
		For >40, Deduct	*-249.86*	
26 56 13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,087.24	445.77
		For Bronze Or Satin Anodized Finish, Add	*119.57*	
		For Black Anodized Finish, Add	*239.14*	
		For >10 To 20, Deduct	*-70.12*	
		For >20 To 40, Deduct	*-128.28*	
		For >40, Deduct	*-268.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,730.72	346.72
		For Bronze Or Satin Anodized Finish, Add	*103.73*	
		For Black Anodized Finish, Add	*207.46*	
		For >10 To 20, Deduct	*-58.83*	
		For >20 To 40, Deduct	*-107.28*	
		For >40, Deduct	*-224.94*	
26 56 13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,875.99	396.24
		For Bronze Or Satin Anodized Finish, Add	*108.35*	
		For Black Anodized Finish, Add	*216.70*	
		For >10 To 20, Deduct	*-63.15*	
		For >20 To 40, Deduct	*-115.47*	
		For >40, Deduct	*-241.77*	
26 56 13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,020.11	421.01
		For Bronze Or Satin Anodized Finish, Add	*117.81*	
		For Black Anodized Finish, Add	*235.62*	
		For >10 To 20, Deduct	*-68.17*	
		For >20 To 40, Deduct	*-124.57*	
		For >40, Deduct	*-260.92*	
26 56 13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,201.64	445.77
		For Bronze Or Satin Anodized Finish, Add	*131.01*	
		For Black Anodized Finish, Add	*262.02*	
		For >10 To 20, Deduct	*-74.69*	
		For >20 To 40, Deduct	*-136.28*	
		For >40, Deduct	*-285.67*	
26 56 13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,275.91	458.15
		For Bronze Or Satin Anodized Finish, Add	*135.96*	
		For Black Anodized Finish, Add	*271.92*	
		For >10 To 20, Deduct	*-77.29*	
		For >20 To 40, Deduct	*-140.99*	
		For >40, Deduct	*-295.57*	
26 56 13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,433.78	470.53
		For Bronze Or Satin Anodized Finish, Add	*149.27*	
		For Black Anodized Finish, Add	*298.54*	
		For >10 To 20, Deduct	*-83.24*	
		For >20 To 40, Deduct	*-151.54*	
		For >40, Deduct	*-318.01*	
26 56 13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	889.04	198.12
		For Bronze Or Satin Anodized Finish, Add	*49.28*	
		For Black Anodized Finish, Add	*98.56*	
		For >10 To 20, Deduct	*-29.62*	
		For >20 To 40, Deduct	*-54.31*	
		For >40, Deduct	*-113.54*	
26 56 13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	991.37	222.89
		For Bronze Or Satin Anodized Finish, Add	*54.56*	
		For Black Anodized Finish, Add	*109.12*	
		For >10 To 20, Deduct	*-32.97*	
		For >20 To 40, Deduct	*-60.48*	
		For >40, Deduct	*-126.42*	
26 56 13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,098.11	247.65
		For Bronze Or Satin Anodized Finish, Add	*60.28*	
		For Black Anodized Finish, Add	*120.56*	
		For >10 To 20, Deduct	*-36.49*	
		For >20 To 40, Deduct	*-66.96*	
		For >40, Deduct	*-139.95*	
26 56 13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,192.73	272.42
		For Bronze Or Satin Anodized Finish, Add	*64.79*	
		For Black Anodized Finish, Add	*129.58*	
		For >10 To 20, Deduct	*-39.54*	
		For >20 To 40, Deduct	*-72.59*	
		For >40, Deduct	*-151.67*	
26 56 13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,286.26	297.18
		For Bronze Or Satin Anodized Finish, Add	*69.19*	
		For Black Anodized Finish, Add	*138.38*	
		For >10 To 20, Deduct	*-42.54*	
		For >20 To 40, Deduct	*-78.15*	
		For >40, Deduct	*-163.22*	
26 56 13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,218.01	247.65
		For Bronze Or Satin Anodized Finish, Add	*72.27*	
		For Black Anodized Finish, Add	*144.54*	
		For >10 To 20, Deduct	*-41.29*	
		For >20 To 40, Deduct	*-75.35*	
		For >40, Deduct	*-157.94*	
26 56 13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,333.53	272.42
		For Bronze Or Satin Anodized Finish, Add	*78.87*	
		For Black Anodized Finish, Add	*157.74*	
		For >10 To 20, Deduct	*-45.17*	
		For >20 To 40, Deduct	*-82.45*	
		For >40, Deduct	*-172.79*	
26 56 13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,414.96	297.18
		For Bronze Or Satin Anodized Finish, Add	*82.06*	
		For Black Anodized Finish, Add	*164.12*	
		For >10 To 20, Deduct	*-47.68*	
		For >20 To 40, Deduct	*-87.16*	
		For >40, Deduct	*-182.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,606.42	346.72
		For Bronze Or Satin Anodized Finish, Add	*91.30*	
		For Black Anodized Finish, Add	*182.60*	
		For >10 To 20, Deduct	*-53.86*	
		For >20 To 40, Deduct	*-98.58*	
		For >40, Deduct	*-206.29*	
26 56 13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,804.49	396.24
		For Bronze Or Satin Anodized Finish, Add	*101.20*	
		For Black Anodized Finish, Add	*202.40*	
		For >10 To 20, Deduct	*-60.29*	
		For >20 To 40, Deduct	*-110.46*	
		For >40, Deduct	*-231.05*	
26 56 13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,855.02	346.72
		For Bronze Or Satin Anodized Finish, Add	*116.16*	
		For Black Anodized Finish, Add	*232.32*	
		For >10 To 20, Deduct	*-63.80*	
		For >20 To 40, Deduct	*-115.98*	
		For >40, Deduct	*-243.58*	
26 56 13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,040.99	396.24
		For Bronze Or Satin Anodized Finish, Add	*124.85*	
		For Black Anodized Finish, Add	*249.70*	
		For >10 To 20, Deduct	*-69.75*	
		For >20 To 40, Deduct	*-127.02*	
		For >40, Deduct	*-266.52*	
26 56 13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,198.31	421.01
		For Bronze Or Satin Anodized Finish, Add	*135.63*	
		For Black Anodized Finish, Add	*271.26*	
		For >10 To 20, Deduct	*-75.30*	
		For >20 To 40, Deduct	*-137.04*	
		For >40, Deduct	*-287.65*	
26 56 13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,336.94	445.77
		For Bronze Or Satin Anodized Finish, Add	*144.54*	
		For Black Anodized Finish, Add	*289.08*	
		For >10 To 20, Deduct	*-80.10*	
		For >20 To 40, Deduct	*-145.76*	
		For >40, Deduct	*-305.96*	
26 56 13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,468.41	458.15
		For Bronze Or Satin Anodized Finish, Add	*155.21*	
		For Black Anodized Finish, Add	*310.42*	
		For >10 To 20, Deduct	*-84.99*	
		For >20 To 40, Deduct	*-154.46*	
		For >40, Deduct	*-324.45*	
26 56 13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,582.28	470.53
		For Bronze Or Satin Anodized Finish, Add	*164.12*	
		For Black Anodized Finish, Add	*328.24*	
		For >10 To 20, Deduct	*-89.18*	
		For >20 To 40, Deduct	*-161.94*	
		For >40, Deduct	*-340.29*	
26 56 13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,678.54	482.91
		For Bronze Or Satin Anodized Finish, Add	*171.27*	
		For Black Anodized Finish, Add	*342.54*	
		For >10 To 20, Deduct	*-92.65*	
		For >20 To 40, Deduct	*-168.18*	
		For >40, Deduct	*-353.49*	
26 56 13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,857.30	495.31
		For Bronze Or Satin Anodized Finish, Add	*186.67*	
		For Black Anodized Finish, Add	*373.34*	
		For >10 To 20, Deduct	*-99.43*	
		For >20 To 40, Deduct	*-180.20*	
		For >40, Deduct	*-379.07*	
26 56 13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,673.51	421.01
		For Bronze Or Satin Anodized Finish, Add	*183.15*	
		For Black Anodized Finish, Add	*366.30*	
		For >10 To 20, Deduct	*-94.31*	
		For >20 To 40, Deduct	*-170.31*	
		For >40, Deduct	*-358.93*	
26 56 13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,886.94	445.77
		For Bronze Or Satin Anodized Finish, Add	*199.54*	
		For Black Anodized Finish, Add	*399.08*	
		For >10 To 20, Deduct	*-102.10*	
		For >20 To 40, Deduct	*-184.26*	
		For >40, Deduct	*-388.46*	
26 56 13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,040.41	458.15
		For Bronze Or Satin Anodized Finish, Add	*212.41*	
		For Black Anodized Finish, Add	*424.82*	
		For >10 To 20, Deduct	*-107.87*	
		For >20 To 40, Deduct	*-194.50*	
		For >40, Deduct	*-410.25*	
26 56 13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,155.38	470.53
		For Bronze Or Satin Anodized Finish, Add	*221.43*	
		For Black Anodized Finish, Add	*442.86*	
		For >10 To 20, Deduct	*-112.10*	
		For >20 To 40, Deduct	*-202.06*	
		For >40, Deduct	*-426.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,216.44	482.91
		For Bronze Or Satin Anodized Finish, Add	*225.06*	
		For Black Anodized Finish, Add	*450.12*	
		For >10 To 20, Deduct	*-114.17*	
		For >20 To 40, Deduct	*-205.83*	
		For >40, Deduct	*-434.17*	
26 56 13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,413.90	495.31
		For Bronze Or Satin Anodized Finish, Add	*242.33*	
		For Black Anodized Finish, Add	*484.66*	
		For >10 To 20, Deduct	*-121.70*	
		For >20 To 40, Deduct	*-219.16*	
		For >40, Deduct	*-462.56*	
26 56 13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,522.81	421.01
		For Bronze Or Satin Anodized Finish, Add	*168.08*	
		For Black Anodized Finish, Add	*336.16*	
		For >10 To 20, Deduct	*-88.28*	
		For >20 To 40, Deduct	*-159.76*	
		For >40, Deduct	*-336.32*	
26 56 13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,716.44	445.77
		For Bronze Or Satin Anodized Finish, Add	*182.49*	
		For Black Anodized Finish, Add	*364.98*	
		For >10 To 20, Deduct	*-95.28*	
		For >20 To 40, Deduct	*-172.32*	
		For >40, Deduct	*-362.89*	
26 56 13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,790.71	458.15
		For Bronze Or Satin Anodized Finish, Add	*187.44*	
		For Black Anodized Finish, Add	*374.88*	
		For >10 To 20, Deduct	*-97.88*	
		For >20 To 40, Deduct	*-177.02*	
		For >40, Deduct	*-372.79*	
26 56 13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,991.48	470.53
		For Bronze Or Satin Anodized Finish, Add	*205.04*	
		For Black Anodized Finish, Add	*410.08*	
		For >10 To 20, Deduct	*-105.54*	
		For >20 To 40, Deduct	*-190.58*	
		For >40, Deduct	*-401.67*	
26 56 13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,086.64	482.91
		For Bronze Or Satin Anodized Finish, Add	*212.08*	
		For Black Anodized Finish, Add	*424.16*	
		For >10 To 20, Deduct	*-108.98*	
		For >20 To 40, Deduct	*-196.75*	
		For >40, Deduct	*-414.70*	
26 56 13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,285.20	495.31
		For Bronze Or Satin Anodized Finish, Add	*229.46*	
		For Black Anodized Finish, Add	*458.92*	
		For >10 To 20, Deduct	*-116.55*	
		For >20 To 40, Deduct	*-210.15*	
		For >40, Deduct	*-443.25*	
26 56 13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,211.41	421.01
		For Bronze Or Satin Anodized Finish, Add	*236.94*	
		For Black Anodized Finish, Add	*473.88*	
		For >10 To 20, Deduct	*-115.83*	
		For >20 To 40, Deduct	*-207.96*	
		For >40, Deduct	*-439.61*	
26 56 13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,395.14	445.77
		For Bronze Or Satin Anodized Finish, Add	*250.36*	
		For Black Anodized Finish, Add	*500.72*	
		For >10 To 20, Deduct	*-122.43*	
		For >20 To 40, Deduct	*-219.83*	
		For >40, Deduct	*-464.69*	
26 56 13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,550.81	458.15
		For Bronze Or Satin Anodized Finish, Add	*263.45*	
		For Black Anodized Finish, Add	*526.90*	
		For >10 To 20, Deduct	*-128.29*	
		For >20 To 40, Deduct	*-230.23*	
		For >40, Deduct	*-486.81*	
26 56 13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,795.58	470.53
		For Bronze Or Satin Anodized Finish, Add	*285.45*	
		For Black Anodized Finish, Add	*570.90*	
		For >10 To 20, Deduct	*-137.71*	
		For >20 To 40, Deduct	*-246.87*	
		For >40, Deduct	*-522.28*	
26 56 13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,844.54	482.91
		For Bronze Or Satin Anodized Finish, Add	*287.87*	
		For Black Anodized Finish, Add	*575.74*	
		For >10 To 20, Deduct	*-139.29*	
		For >20 To 40, Deduct	*-249.80*	
		For >40, Deduct	*-528.39*	
26 56 13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,088.20	495.31
		For Bronze Or Satin Anodized Finish, Add	*309.76*	
		For Black Anodized Finish, Add	*619.52*	
		For >10 To 20, Deduct	*-148.67*	
		For >20 To 40, Deduct	*-266.36*	
		For >40, Deduct	*-563.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,092.81	742.95
		For Bronze Or Satin Anodized Finish, Add	*360.69*	
		For Black Anodized Finish, Add	*721.38*	
		For >10 To 20, Deduct	*-181.42*	
		For >20 To 40, Deduct	*-326.78*	
		For >40, Deduct	*-689.63*	
26 56 13 00-0426	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,229.21	742.95
		For Bronze Or Satin Anodized Finish, Add	*374.33*	
		For Black Anodized Finish, Add	*748.66*	
		For >10 To 20, Deduct	*-186.88*	
		For >20 To 40, Deduct	*-336.33*	
		For >40, Deduct	*-710.09*	

26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0355)*

26 56 13 00-0428	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	844.98	148.59
		For Bronze, Satin Or Black Anodized Finish, Add	*82.17*	
		For >10 To 20, Deduct	*-29.34*	
		For >20 To 40, Deduct	*-53.21*	
		For >40, Deduct	*-111.89*	
26 56 13 00-0429	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	917.62	173.35
		For Bronze, Satin Or Black Anodized Finish, Add	*85.64*	
		For >10 To 20, Deduct	*-31.50*	
		For >20 To 40, Deduct	*-57.30*	
		For >40, Deduct	*-120.31*	
26 56 13 00-0430	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	991.34	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*89.27*	
		For >10 To 20, Deduct	*-33.71*	
		For >20 To 40, Deduct	*-61.47*	
		For >40, Deduct	*-128.89*	
26 56 13 00-0431	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,067.27	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*93.23*	
		For >10 To 20, Deduct	*-36.00*	
		For >20 To 40, Deduct	*-65.79*	
		For >40, Deduct	*-137.80*	
26 56 13 00-0432	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,142.11	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-38.25*	
		For >20 To 40, Deduct	*-70.04*	
		For >40, Deduct	*-146.55*	
26 56 13 00-0433	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	930.82	173.35
		For Bronze, Satin Or Black Anodized Finish, Add	*87.62*	
		For >10 To 20, Deduct	*-32.03*	
		For >20 To 40, Deduct	*-58.22*	
		For >40, Deduct	*-122.29*	
26 56 13 00-0434	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,006.74	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*91.58*	
		For >10 To 20, Deduct	*-34.33*	
		For >20 To 40, Deduct	*-62.55*	
		For >40, Deduct	*-131.20*	
26 56 13 00-0435	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,084.87	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*95.87*	
		For >10 To 20, Deduct	*-36.71*	
		For >20 To 40, Deduct	*-67.03*	
		For >40, Deduct	*-140.44*	
26 56 13 00-0436	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,161.91	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*99.99*	
		For >10 To 20, Deduct	*-39.05*	
		For >20 To 40, Deduct	*-71.43*	
		For >40, Deduct	*-149.52*	
26 56 13 00-0437	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,253.23	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*106.26*	
		For >10 To 20, Deduct	*-41.96*	
		For >20 To 40, Deduct	*-76.83*	
		For >40, Deduct	*-160.74*	
26 56 13 00-0438	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,334.66	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*111.05*	
		For >10 To 20, Deduct	*-44.47*	
		For >20 To 40, Deduct	*-81.54*	
		For >40, Deduct	*-170.48*	
26 56 13 00-0439	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,049.64	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*98.01*	
		For >10 To 20, Deduct	*-36.04*	
		For >20 To 40, Deduct	*-65.55*	
		For >40, Deduct	*-137.63*	
26 56 13 00-0440	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,133.27	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*103.13*	
		For >10 To 20, Deduct	*-38.64*	
		For >20 To 40, Deduct	*-70.41*	
		For >40, Deduct	*-147.70*	
26 56 13 00-0441	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,230.11	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*110.22*	
		For >10 To 20, Deduct	*-41.77*	
		For >20 To 40, Deduct	*-76.20*	
		For >40, Deduct	*-159.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0442	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,315.93	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*115.67*	
		For >10 To 20, Deduct	*-44.46*	
		For >20 To 40, Deduct	*-81.22*	
		For >40, Deduct	*-170.15*	
26 56 13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,416.06	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*123.26*	
		For >10 To 20, Deduct	*-47.73*	
		For >20 To 40, Deduct	*-87.24*	
		For >40, Deduct	*-182.69*	
26 56 13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,292.81	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*119.63*	
		For >10 To 20, Deduct	*-44.28*	
		For >20 To 40, Deduct	*-80.59*	
		For >40, Deduct	*-169.16*	
26 56 13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,400.63	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*128.37*	
		For >10 To 20, Deduct	*-47.85*	
		For >20 To 40, Deduct	*-87.15*	
		For >40, Deduct	*-182.85*	
26 56 13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,484.26	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*133.49*	
		For >10 To 20, Deduct	*-50.46*	
		For >20 To 40, Deduct	*-92.01*	
		For >40, Deduct	*-192.92*	
26 56 13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,083.74	198.12
		For Bronze, Satin Or Black Anodized Finish, Add	*103.13*	
		For >10 To 20, Deduct	*-37.41*	
		For >20 To 40, Deduct	*-67.94*	
		For >40, Deduct	*-142.75*	
26 56 13 00-0448	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,184.97	222.89
		For Bronze, Satin Or Black Anodized Finish, Add	*110.88*	
		For >10 To 20, Deduct	*-40.71*	
		For >20 To 40, Deduct	*-74.03*	
		For >40, Deduct	*-155.46*	
26 56 13 00-0449	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,292.81	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*119.63*	
		For >10 To 20, Deduct	*-44.28*	
		For >20 To 40, Deduct	*-80.59*	
		For >40, Deduct	*-169.16*	
26 56 13 00-0450	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,387.43	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*126.39*	
		For >10 To 20, Deduct	*-47.32*	
		For >20 To 40, Deduct	*-86.22*	
		For >40, Deduct	*-180.87*	
26 56 13 00-0451	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,489.76	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*134.31*	
		For >10 To 20, Deduct	*-50.68*	
		For >20 To 40, Deduct	*-92.40*	
		For >40, Deduct	*-193.75*	
26 56 13 00-0452	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,364.31	247.65
		For Bronze, Satin Or Black Anodized Finish, Add	*130.35*	
		For >10 To 20, Deduct	*-47.14*	
		For >20 To 40, Deduct	*-85.60*	
		For >40, Deduct	*-179.88*	
26 56 13 00-0453	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,480.93	272.42
		For Bronze, Satin Or Black Anodized Finish, Add	*140.42*	
		For >10 To 20, Deduct	*-51.06*	
		For >20 To 40, Deduct	*-92.77*	
		For >40, Deduct	*-194.90*	
26 56 13 00-0454	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,570.06	297.18
		For Bronze, Satin Or Black Anodized Finish, Add	*146.36*	
		For >10 To 20, Deduct	*-53.89*	
		For >20 To 40, Deduct	*-98.02*	
		For >40, Deduct	*-205.79*	

26 56 13 00-0455 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0355)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0456	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	573.25	123.83
		For Bronze Or Satin Anodized Finish, Add	*32.56*	
		For Black Anodized Finish, Add	*65.12*	
		For >10 To 20, Deduct	*-19.22*	
		For >20 To 40, Deduct	*-35.17*	
		For >40, Deduct	*-73.61*	
26 56 13 00-0457	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	604.05	123.83
		For Bronze Or Satin Anodized Finish, Add	*35.64*	
		For Black Anodized Finish, Add	*71.28*	
		For >10 To 20, Deduct	*-20.45*	
		For >20 To 40, Deduct	*-37.33*	
		For >40, Deduct	*-78.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	654.12	136.21
		For Bronze Or Satin Anodized Finish, Add	*38.17*	
		For Black Anodized Finish, Add	*76.34*	
		For >10 To 20, Deduct	*-22.08*	
		For >20 To 40, Deduct	*-40.34*	
		For >40, Deduct	*-84.50*	
26 56 13 00-0459	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	696.48	148.59
		For Bronze Or Satin Anodized Finish, Add	*39.93*	
		For Black Anodized Finish, Add	*79.86*	
		For >10 To 20, Deduct	*-23.40*	
		For >20 To 40, Deduct	*-42.81*	
		For >40, Deduct	*-89.61*	
26 56 13 00-0460	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	736.08	148.59
		For Bronze Or Satin Anodized Finish, Add	*43.89*	
		For Black Anodized Finish, Add	*87.78*	
		For >10 To 20, Deduct	*-24.99*	
		For >20 To 40, Deduct	*-45.58*	
		For >40, Deduct	*-95.55*	
26 56 13 00-0461	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	683.82	136.21
		For Bronze Or Satin Anodized Finish, Add	*41.14*	
		For Black Anodized Finish, Add	*82.28*	
		For >10 To 20, Deduct	*-23.27*	
		For >20 To 40, Deduct	*-42.42*	
		For >40, Deduct	*-88.95*	
26 56 13 00-0462	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	739.38	148.59
		For Bronze Or Satin Anodized Finish, Add	*44.22*	
		For Black Anodized Finish, Add	*88.44*	
		For >10 To 20, Deduct	*-25.12*	
		For >20 To 40, Deduct	*-45.81*	
		For >40, Deduct	*-96.05*	
26 56 13 00-0463	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	761.38	148.59
		For Bronze Or Satin Anodized Finish, Add	*46.42*	
		For Black Anodized Finish, Add	*92.84*	
		For >10 To 20, Deduct	*-26.00*	
		For >20 To 40, Deduct	*-47.35*	
		For >40, Deduct	*-99.35*	
26 56 13 00-0464	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	821.34	160.97
		For Bronze Or Satin Anodized Finish, Add	*49.94*	
		For Black Anodized Finish, Add	*99.88*	
		For >10 To 20, Deduct	*-28.02*	
		For >20 To 40, Deduct	*-51.06*	
		For >40, Deduct	*-107.10*	
26 56 13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	876.92	173.35
		For Bronze Or Satin Anodized Finish, Add	*53.02*	
		For Black Anodized Finish, Add	*106.04*	
		For >10 To 20, Deduct	*-29.88*	
		For >20 To 40, Deduct	*-54.45*	
		For >40, Deduct	*-114.20*	
26 56 13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	825.18	148.59
		For Bronze Or Satin Anodized Finish, Add	*52.80*	
		For Black Anodized Finish, Add	*105.60*	
		For >10 To 20, Deduct	*-28.55*	
		For >20 To 40, Deduct	*-51.82*	
		For >40, Deduct	*-108.92*	
26 56 13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	891.74	160.97
		For Bronze Or Satin Anodized Finish, Add	*56.98*	
		For Black Anodized Finish, Add	*113.96*	
		For >10 To 20, Deduct	*-30.84*	
		For >20 To 40, Deduct	*-55.98*	
		For >40, Deduct	*-117.66*	
26 56 13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	952.82	173.35
		For Bronze Or Satin Anodized Finish, Add	*60.61*	
		For Black Anodized Finish, Add	*121.22*	
		For >10 To 20, Deduct	*-32.91*	
		For >20 To 40, Deduct	*-59.76*	
		For >40, Deduct	*-125.59*	
26 56 13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	981.94	160.97
		For Bronze Or Satin Anodized Finish, Add	*66.00*	
		For Black Anodized Finish, Add	*132.00*	
		For >10 To 20, Deduct	*-34.45*	
		For >20 To 40, Deduct	*-62.30*	
		For >40, Deduct	*-131.19*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,261.94	198.12
		For Bronze Or Satin Anodized Finish, Add	*86.57*	
		For Black Anodized Finish, Add	*173.14*	
		For >10 To 20, Deduct	*-44.53*	
		For >20 To 40, Deduct	*-80.41*	
		For >40, Deduct	*-169.48*	
26 56 13 00-0471	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,386.24	198.12
		For Bronze Or Satin Anodized Finish, Add	*99.00*	
		For Black Anodized Finish, Add	*198.00*	
		For >10 To 20, Deduct	*-49.51*	
		For >20 To 40, Deduct	*-89.11*	
		For >40, Deduct	*-188.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0472	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,542.47	222.89
		For Bronze Or Satin Anodized Finish, Add	*109.67*	
		For Black Anodized Finish, Add	*219.34*	
		For >10 To 20, Deduct	*-55.01*	
		For >20 To 40, Deduct	*-99.06*	
		For >40, Deduct	*-209.08*	
26 56 13 00-0473	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,677.77	222.89
		For Bronze Or Satin Anodized Finish, Add	*123.20*	
		For Black Anodized Finish, Add	*246.40*	
		For >10 To 20, Deduct	*-60.42*	
		For >20 To 40, Deduct	*-108.53*	
		For >40, Deduct	*-229.38*	

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0474)*

26 56 13 00-0476	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	751.48	148.59
		For Bronze Or Satin Anodized Finish, Add	*45.43*	
		For Black Anodized Finish, Add	*90.86*	
		For >10 To 20, Deduct	*-25.60*	
		For >20 To 40, Deduct	*-46.66*	
		For >40, Deduct	*-97.86*	
26 56 13 00-0477	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	824.12	173.35
		For Bronze Or Satin Anodized Finish, Add	*47.74*	
		For Black Anodized Finish, Add	*95.48*	
		For >10 To 20, Deduct	*-27.76*	
		For >20 To 40, Deduct	*-50.75*	
		For >40, Deduct	*-106.28*	
26 56 13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	905.54	198.12
		For Bronze Or Satin Anodized Finish, Add	*50.93*	
		For Black Anodized Finish, Add	*101.86*	
		For >10 To 20, Deduct	*-30.28*	
		For >20 To 40, Deduct	*-55.46*	
		For >40, Deduct	*-116.02*	
26 56 13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	985.87	222.89
		For Bronze Or Satin Anodized Finish, Add	*54.01*	
		For Black Anodized Finish, Add	*108.02*	
		For >10 To 20, Deduct	*-32.75*	
		For >20 To 40, Deduct	*-60.10*	
		For >40, Deduct	*-125.59*	
26 56 13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,030.43	235.27
		For Bronze Or Satin Anodized Finish, Add	*55.99*	
		For Black Anodized Finish, Add	*111.98*	
		For >10 To 20, Deduct	*-34.16*	
		For >20 To 40, Deduct	*-62.72*	
		For >40, Deduct	*-131.04*	
26 56 13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,075.01	247.65
		For Bronze Or Satin Anodized Finish, Add	*57.97*	
		For Black Anodized Finish, Add	*115.94*	
		For >10 To 20, Deduct	*-35.57*	
		For >20 To 40, Deduct	*-65.34*	
		For >40, Deduct	*-136.49*	
26 56 13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,161.93	272.42
		For Bronze Or Satin Anodized Finish, Add	*61.71*	
		For Black Anodized Finish, Add	*123.42*	
		For >10 To 20, Deduct	*-38.30*	
		For >20 To 40, Deduct	*-70.44*	
		For >40, Deduct	*-147.05*	
26 56 13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,258.76	297.18
		For Bronze Or Satin Anodized Finish, Add	*66.44*	
		For Black Anodized Finish, Add	*132.88*	
		For >10 To 20, Deduct	*-41.44*	
		For >20 To 40, Deduct	*-76.23*	
		For >40, Deduct	*-159.10*	
26 56 13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,150.91	247.65
		For Bronze Or Satin Anodized Finish, Add	*65.56*	
		For Black Anodized Finish, Add	*131.12*	
		For >10 To 20, Deduct	*-38.61*	
		For >20 To 40, Deduct	*-70.66*	
		For >40, Deduct	*-147.87*	
26 56 13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,240.03	272.42
		For Bronze Or Satin Anodized Finish, Add	*69.52*	
		For Black Anodized Finish, Add	*139.04*	
		For >10 To 20, Deduct	*-41.43*	
		For >20 To 40, Deduct	*-75.91*	
		For >40, Deduct	*-158.76*	
26 56 13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,343.46	297.18
		For Bronze Or Satin Anodized Finish, Add	*74.91*	
		For Black Anodized Finish, Add	*149.82*	
		For >10 To 20, Deduct	*-44.82*	
		For >20 To 40, Deduct	*-82.16*	
		For >40, Deduct	*-171.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,360.43	235.27
		For Bronze Or Satin Anodized Finish, Add	*88.99*	
		For Black Anodized Finish, Add	*177.98*	
		For >10 To 20, Deduct	*-47.36*	
		For >20 To 40, Deduct	*-85.82*	
		For >40, Deduct	*-180.54*	
26 56 13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,659.16	297.18
		For Bronze Or Satin Anodized Finish, Add	*106.48*	
		For Black Anodized Finish, Add	*212.96*	
		For >10 To 20, Deduct	*-57.45*	
		For >20 To 40, Deduct	*-104.25*	
		For >40, Deduct	*-219.16*	
26 56 13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,994.79	396.24
		For Bronze Or Satin Anodized Finish, Add	*120.23*	
		For Black Anodized Finish, Add	*240.46*	
		For >10 To 20, Deduct	*-67.90*	
		For >20 To 40, Deduct	*-123.79*	
		For >40, Deduct	*-259.59*	
26 56 13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,411.66	297.18
		For Bronze Or Satin Anodized Finish, Add	*81.73*	
		For Black Anodized Finish, Add	*163.46*	
		For >10 To 20, Deduct	*-47.55*	
		For >20 To 40, Deduct	*-86.93*	
		For >40, Deduct	*-182.03*	
26 56 13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,792.26	297.18
		For Bronze Or Satin Anodized Finish, Add	*119.79*	
		For Black Anodized Finish, Add	*239.58*	
		For >10 To 20, Deduct	*-62.78*	
		For >20 To 40, Deduct	*-113.57*	
		For >40, Deduct	*-239.12*	
26 56 13 00-0492	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,115.79	396.24
		For Bronze Or Satin Anodized Finish, Add	*132.33*	
		For Black Anodized Finish, Add	*264.66*	
		For >10 To 20, Deduct	*-72.74*	
		For >20 To 40, Deduct	*-132.26*	
		For >40, Deduct	*-277.74*	
26 56 13 00-0493	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,001.26	297.18
		For Bronze Or Satin Anodized Finish, Add	*140.69*	
		For Black Anodized Finish, Add	*281.38*	
		For >10 To 20, Deduct	*-71.14*	
		For >20 To 40, Deduct	*-128.20*	
		For >40, Deduct	*-270.47*	
26 56 13 00-0494	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,388.59	396.24
		For Bronze Or Satin Anodized Finish, Add	*159.61*	
		For Black Anodized Finish, Add	*319.22*	
		For >10 To 20, Deduct	*-83.66*	
		For >20 To 40, Deduct	*-151.35*	
		For >40, Deduct	*-318.66*	
26 56 13 00-0495	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,771.44	445.77
		For Bronze Or Satin Anodized Finish, Add	*187.99*	
		For Black Anodized Finish, Add	*375.98*	
		For >10 To 20, Deduct	*-97.48*	
		For >20 To 40, Deduct	*-176.17*	
		For >40, Deduct	*-371.14*	

26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0474)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0497	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	681.05	123.83
		For Bronze Or Satin Anodized Finish, Add	*43.34*	
		For Black Anodized Finish, Add	*86.68*	
		For >10 To 20, Deduct	*-23.53*	
		For >20 To 40, Deduct	*-42.72*	
		For >40, Deduct	*-89.78*	
26 56 13 00-0498	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	761.92	136.21
		For Bronze Or Satin Anodized Finish, Add	*48.95*	
		For Black Anodized Finish, Add	*97.90*	
		For >10 To 20, Deduct	*-26.39*	
		For >20 To 40, Deduct	*-47.89*	
		For >40, Deduct	*-100.67*	
26 56 13 00-0499	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	809.78	148.59
		For Bronze Or Satin Anodized Finish, Add	*51.26*	
		For Black Anodized Finish, Add	*102.52*	
		For >10 To 20, Deduct	*-27.93*	
		For >20 To 40, Deduct	*-50.74*	
		For >40, Deduct	*-106.61*	
26 56 13 00-0500	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	837.28	148.59
		For Bronze Or Satin Anodized Finish, Add	*54.01*	
		For Black Anodized Finish, Add	*108.02*	
		For >10 To 20, Deduct	*-29.03*	
		For >20 To 40, Deduct	*-52.67*	
		For >40, Deduct	*-110.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0501	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	871.38	148.59
		For Bronze Or Satin Anodized Finish, Add	*57.42*	
		For Black Anodized Finish, Add	*114.84*	
		For >10 To 20, Deduct	*-30.40*	
		For >20 To 40, Deduct	*-55.05*	
		For >40, Deduct	*-115.85*	
26 56 13 00-0502	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,012.74	160.97
		For Bronze Or Satin Anodized Finish, Add	*69.08*	
		For Black Anodized Finish, Add	*138.16*	
		For >10 To 20, Deduct	*-35.68*	
		For >20 To 40, Deduct	*-64.45*	
		For >40, Deduct	*-135.81*	
26 56 13 00-0503	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,084.82	173.35
		For Bronze Or Satin Anodized Finish, Add	*73.81*	
		For Black Anodized Finish, Add	*147.62*	
		For >10 To 20, Deduct	*-38.19*	
		For >20 To 40, Deduct	*-69.00*	
		For >40, Deduct	*-145.39*	
26 56 13 00-0504	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,257.52	173.35
		For Bronze Or Satin Anodized Finish, Add	*91.08*	
		For Black Anodized Finish, Add	*182.16*	
		For >10 To 20, Deduct	*-45.10*	
		For >20 To 40, Deduct	*-81.09*	
		For >40, Deduct	*-171.29*	
26 56 13 00-0505	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,445.64	198.12
		For Bronze Or Satin Anodized Finish, Add	*104.94*	
		For Black Anodized Finish, Add	*209.88*	
		For >10 To 20, Deduct	*-51.88*	
		For >20 To 40, Deduct	*-93.27*	
		For >40, Deduct	*-197.03*	
26 56 13 00-0506	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,831.74	198.12
		For Bronze Or Satin Anodized Finish, Add	*143.55*	
		For Black Anodized Finish, Add	*287.10*	
		For >10 To 20, Deduct	*-67.33*	
		For >20 To 40, Deduct	*-120.30*	
		For >40, Deduct	*-254.95*	

26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0508	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00
26 56 13 00-0509	EA	Extra Handhole For Aluminum Area Light Poles	41.00
26 56 13 00-0510	EA	Festoon Outlet Provision For Aluminum Area Light Poles Note: Excludes electrical outlet.	42.00
26 56 13 00-0511	EA	Vibration Dampener For Aluminum Area Light Poles	59.00

26 56 13 00-0512 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0512)*

26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0513)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0515	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	993.52	173.35
		For >10 To 20, Deduct	*-34.54*	
		For >20 To 40, Deduct	*-62.61*	
		For >40, Deduct	*-131.69*	
26 56 13 00-0516	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,081.54	198.12
		For >10 To 20, Deduct	*-37.32*	
		For >20 To 40, Deduct	*-67.78*	
		For >40, Deduct	*-142.42*	
26 56 13 00-0517	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,170.67	222.89
		For >10 To 20, Deduct	*-40.14*	
		For >20 To 40, Deduct	*-73.03*	
		For >40, Deduct	*-153.31*	
26 56 13 00-0518	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,258.71	247.65
		For >10 To 20, Deduct	*-42.92*	
		For >20 To 40, Deduct	*-78.20*	
		For >40, Deduct	*-164.04*	
26 56 13 00-0519	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,366.53	272.42
		For >10 To 20, Deduct	*-46.49*	
		For >20 To 40, Deduct	*-84.76*	
		For >40, Deduct	*-177.74*	
26 56 13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,456.76	297.18
		For >10 To 20, Deduct	*-49.36*	
		For >20 To 40, Deduct	*-90.09*	
		For >40, Deduct	*-188.80*	
26 56 13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,595.42	346.72
		For >10 To 20, Deduct	*-53.42*	
		For >20 To 40, Deduct	*-97.81*	
		For >40, Deduct	*-204.64*	
26 56 13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,732.99	396.24
		For >10 To 20, Deduct	*-57.43*	
		For >20 To 40, Deduct	*-105.46*	
		For >40, Deduct	*-220.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,822.09	396.24
		For >10 To 20, Deduct	*-61.00*	
		For >20 To 40, Deduct	*-111.70*	
		For >40, Deduct	*-233.69*	
26 56 13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,949.71	421.01
		For >10 To 20, Deduct	*-65.36*	
		For >20 To 40, Deduct	*-119.64*	
		For >40, Deduct	*-250.36*	
26 56 13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,077.34	445.77
		For >10 To 20, Deduct	*-69.72*	
		For >20 To 40, Deduct	*-127.58*	
		For >40, Deduct	*-267.02*	
26 56 13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,094.72	173.35
		For >10 To 20, Deduct	*-38.59*	
		For >20 To 40, Deduct	*-69.70*	
		For >40, Deduct	*-146.87*	
26 56 13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,162.94	198.12
		For >10 To 20, Deduct	*-40.57*	
		For >20 To 40, Deduct	*-73.48*	
		For >40, Deduct	*-154.63*	
26 56 13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,232.27	222.89
		For >10 To 20, Deduct	*-42.60*	
		For >20 To 40, Deduct	*-77.34*	
		For >40, Deduct	*-162.55*	
26 56 13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,303.81	247.65
		For >10 To 20, Deduct	*-44.72*	
		For >20 To 40, Deduct	*-81.36*	
		For >40, Deduct	*-170.81*	
26 56 13 00-0530	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,380.83	272.42
		For >10 To 20, Deduct	*-47.06*	
		For >20 To 40, Deduct	*-85.76*	
		For >40, Deduct	*-179.88*	
26 56 13 00-0531	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,456.76	297.18
		For >10 To 20, Deduct	*-49.36*	
		For >20 To 40, Deduct	*-90.09*	
		For >40, Deduct	*-188.80*	
26 56 13 00-0532	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,582.22	346.72
		For >10 To 20, Deduct	*-52.89*	
		For >20 To 40, Deduct	*-96.89*	
		For >40, Deduct	*-202.66*	
26 56 13 00-0533	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,732.99	396.24
		For >10 To 20, Deduct	*-57.43*	
		For >20 To 40, Deduct	*-105.46*	
		For >40, Deduct	*-220.32*	
26 56 13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,770.39	396.24
		For >10 To 20, Deduct	*-58.93*	
		For >20 To 40, Deduct	*-108.08*	
		For >40, Deduct	*-225.93*	
26 56 13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,858.41	421.01
		For >10 To 20, Deduct	*-61.71*	
		For >20 To 40, Deduct	*-113.25*	
		For >40, Deduct	*-236.66*	
26 56 13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,946.44	445.77
		For >10 To 20, Deduct	*-64.48*	
		For >20 To 40, Deduct	*-118.42*	
		For >40, Deduct	*-247.39*	
26 56 13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,243.22	173.35
		For >10 To 20, Deduct	*-44.53*	
		For >20 To 40, Deduct	*-80.09*	
		For >40, Deduct	*-169.15*	
26 56 13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,326.84	198.12
		For >10 To 20, Deduct	*-47.13*	
		For >20 To 40, Deduct	*-84.95*	
		For >40, Deduct	*-179.21*	
26 56 13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,410.47	222.89
		For >10 To 20, Deduct	*-49.73*	
		For >20 To 40, Deduct	*-89.82*	
		For >40, Deduct	*-189.28*	
26 56 13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,495.21	247.65
		For >10 To 20, Deduct	*-52.38*	
		For >20 To 40, Deduct	*-94.76*	
		For >40, Deduct	*-199.52*	
26 56 13 00-0541	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,584.33	272.42
		For >10 To 20, Deduct	*-55.20*	
		For >20 To 40, Deduct	*-100.01*	
		For >40, Deduct	*-210.41*	
26 56 13 00-0542	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,680.06	297.18
		For >10 To 20, Deduct	*-58.29*	
		For >20 To 40, Deduct	*-105.72*	
		For >40, Deduct	*-222.29*	
26 56 13 00-0543	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,835.22	346.72
		For >10 To 20, Deduct	*-63.01*	
		For >20 To 40, Deduct	*-114.60*	
		For >40, Deduct	*-240.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0544	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,991.49	396.24
		For >10 To 20, Deduct	*-67.77*	
		For >20 To 40, Deduct	*-123.55*	
		For >40, Deduct	*-259.10*	
26 56 13 00-0545	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,048.69	396.24
		For >10 To 20, Deduct	*-70.06*	
		For >20 To 40, Deduct	*-127.56*	
		For >40, Deduct	*-267.68*	
26 56 13 00-0546	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,188.41	421.01
		For >10 To 20, Deduct	*-74.91*	
		For >20 To 40, Deduct	*-136.35*	
		For >40, Deduct	*-286.16*	
26 56 13 00-0547	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,302.84	445.77
		For >10 To 20, Deduct	*-78.74*	
		For >20 To 40, Deduct	*-143.37*	
		For >40, Deduct	*-300.85*	
26 56 13 00-0548	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,392.51	458.15
		For >10 To 20, Deduct	*-81.96*	
		For >20 To 40, Deduct	*-149.15*	
		For >40, Deduct	*-313.06*	
26 56 13 00-0549	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,482.18	470.53
		For >10 To 20, Deduct	*-85.17*	
		For >20 To 40, Deduct	*-154.93*	
		For >40, Deduct	*-325.27*	

26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0513)*

26 56 13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	617.25	123.83
		For >10 To 20, Deduct	*-20.98*	
		For >20 To 40, Deduct	*-38.25*	
		For >40, Deduct	*-80.21*	
26 56 13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	662.92	136.21
		For >10 To 20, Deduct	*-22.43*	
		For >20 To 40, Deduct	*-40.96*	
		For >40, Deduct	*-85.82*	
26 56 13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	707.48	148.59
		For >10 To 20, Deduct	*-23.84*	
		For >20 To 40, Deduct	*-43.58*	
		For >40, Deduct	*-91.26*	
26 56 13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	726.18	148.59
		For >10 To 20, Deduct	*-24.59*	
		For >20 To 40, Deduct	*-44.89*	
		For >40, Deduct	*-94.07*	
26 56 13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	781.74	160.97
		For >10 To 20, Deduct	*-26.44*	
		For >20 To 40, Deduct	*-48.28*	
		For >40, Deduct	*-101.16*	
26 56 13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	828.52	173.35
		For >10 To 20, Deduct	*-27.94*	
		For >20 To 40, Deduct	*-51.06*	
		For >40, Deduct	*-106.94*	
26 56 13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	878.58	185.73
		For >10 To 20, Deduct	*-29.57*	
		For >20 To 40, Deduct	*-54.07*	
		For >40, Deduct	*-113.21*	
26 56 13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	934.14	198.12
		For >10 To 20, Deduct	*-31.42*	
		For >20 To 40, Deduct	*-57.47*	
		For >40, Deduct	*-120.31*	
26 56 13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,039.74	198.12
		For >10 To 20, Deduct	*-35.65*	
		For >20 To 40, Deduct	*-64.86*	
		For >40, Deduct	*-136.15*	
26 56 13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,170.11	210.51
		For >10 To 20, Deduct	*-40.49*	
		For >20 To 40, Deduct	*-73.49*	
		For >40, Deduct	*-154.47*	
26 56 13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,300.47	222.89
		For >10 To 20, Deduct	*-45.33*	
		For >20 To 40, Deduct	*-82.12*	
		For >40, Deduct	*-172.78*	
26 56 13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	718.45	123.83
		For >10 To 20, Deduct	*-25.02*	
		For >20 To 40, Deduct	*-45.34*	
		For >40, Deduct	*-95.39*	
26 56 13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	769.62	136.21
		For >10 To 20, Deduct	*-26.70*	
		For >20 To 40, Deduct	*-48.43*	
		For >40, Deduct	*-101.82*	
26 56 13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	820.78	148.59
		For >10 To 20, Deduct	*-28.37*	
		For >20 To 40, Deduct	*-51.51*	
		For >40, Deduct	*-108.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	848.28	148.59
		For >10 To 20, Deduct	*-29.47*	
		For >20 To 40, Deduct	*-53.44*	
		For >40, Deduct	*-112.38*	
26 56 13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	899.44	160.97
		For >10 To 20, Deduct	*-31.15*	
		For >20 To 40, Deduct	*-56.52*	
		For >40, Deduct	*-118.82*	
26 56 13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	950.62	173.35
		For >10 To 20, Deduct	*-32.82*	
		For >20 To 40, Deduct	*-59.61*	
		For >40, Deduct	*-125.26*	
26 56 13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,001.78	185.73
		For >10 To 20, Deduct	*-34.50*	
		For >20 To 40, Deduct	*-62.70*	
		For >40, Deduct	*-131.69*	
26 56 13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,078.24	198.12
		For >10 To 20, Deduct	*-37.19*	
		For >20 To 40, Deduct	*-67.55*	
		For >40, Deduct	*-141.92*	
26 56 13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,180.54	198.12
		For >10 To 20, Deduct	*-41.28*	
		For >20 To 40, Deduct	*-74.71*	
		For >40, Deduct	*-157.27*	
26 56 13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,308.71	210.51
		For >10 To 20, Deduct	*-46.03*	
		For >20 To 40, Deduct	*-83.19*	
		For >40, Deduct	*-175.26*	
26 56 13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,435.77	222.89
		For >10 To 20, Deduct	*-50.74*	
		For >20 To 40, Deduct	*-91.59*	
		For >40, Deduct	*-193.08*	
26 56 13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	807.55	123.83
		For >10 To 20, Deduct	*-28.59*	
		For >20 To 40, Deduct	*-51.58*	
		For >40, Deduct	*-108.75*	
26 56 13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	852.12	136.21
		For >10 To 20, Deduct	*-30.00*	
		For >20 To 40, Deduct	*-54.20*	
		For >40, Deduct	*-114.20*	
26 56 13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	895.58	148.59
		For >10 To 20, Deduct	*-31.37*	
		For >20 To 40, Deduct	*-56.75*	
		For >40, Deduct	*-119.48*	
26 56 13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	914.28	148.59
		For >10 To 20, Deduct	*-32.11*	
		For >20 To 40, Deduct	*-58.06*	
		For >40, Deduct	*-122.28*	
26 56 13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	957.74	160.97
		For >10 To 20, Deduct	*-33.48*	
		For >20 To 40, Deduct	*-60.60*	
		For >40, Deduct	*-127.56*	
26 56 13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,002.32	173.35
		For >10 To 20, Deduct	*-34.89*	
		For >20 To 40, Deduct	*-63.23*	
		For >40, Deduct	*-133.01*	
26 56 13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,084.28	185.73
		For >10 To 20, Deduct	*-37.80*	
		For >20 To 40, Deduct	*-68.47*	
		For >40, Deduct	*-144.07*	
26 56 13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,179.44	198.12
		For >10 To 20, Deduct	*-41.23*	
		For >20 To 40, Deduct	*-74.64*	
		For >40, Deduct	*-157.10*	
26 56 13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,243.24	198.12
		For >10 To 20, Deduct	*-43.79*	
		For >20 To 40, Deduct	*-79.10*	
		For >40, Deduct	*-166.67*	
26 56 13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,332.91	210.51
		For >10 To 20, Deduct	*-47.00*	
		For >20 To 40, Deduct	*-84.88*	
		For >40, Deduct	*-178.89*	
26 56 13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,422.57	222.89
		For >10 To 20, Deduct	*-50.22*	
		For >20 To 40, Deduct	*-90.66*	
		For >40, Deduct	*-191.10*	

26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0512)*

26 56 13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles	39.00
26 56 13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	39.00
26 56 13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	74.00
26 56 13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles Note: Excludes electrical outlet.	78.00
26 56 13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles	98.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0590		Concrete Area Light Poles *(26 56 13 00-0177)*		
26 56 13 00-0591		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0590)*		
26 56 13 00-0592	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,445.56	421.01
26 56 13 00-0593	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,525.27	445.77
26 56 13 00-0594	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,579.51	458.15
26 56 13 00-0595	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,901.70	470.53
26 56 13 00-0596	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,095.31	495.31
26 56 13 00-0597	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,612.79	643.90
26 56 13 00-0598	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,143.37	792.49
26 56 13 00-0599	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	2,829.10	421.01
26 56 13 00-0600	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	3,239.93	445.77
26 56 13 00-0601	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	429.22	148.59
26 56 13 00-0602	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	1,689.61	297.08
26 56 13 00-0603	EA	Pole Base Cover For All Octagon Poles	167.14	60.63
26 56 13 00-0604	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	341.53	121.25
26 56 13 00-0605		Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0590)* Note: Round or square.		
26 56 13 00-0606	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,393.23	198.12
26 56 13 00-0607	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,589.26	247.65
26 56 13 00-0608	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,769.79	297.18
26 56 13 00-0609	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,485.88	445.77
26 56 13 00-0610	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,839.28	470.53
26 56 13 00-0611	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,220.12	495.31
26 56 13 00-0612	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,776.68	643.90
26 56 13 00-0613		Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0590)*		
26 56 13 00-0614	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	10,111.96	1,114.43
26 56 13 00-0615	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	12,060.96	1,383.77
26 56 13 00-0616	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	14,352.78	1,869.31
26 56 13 00-0617		Treated Wood Area Light Poles *(26 56 13 00-0177)* See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618		Cast Iron Decorative Light Posts *(26 56 13 00-0177)*		
26 56 13 00-0619		Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0618)* Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	784.67	123.83
26 56 13 00-0621	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	836.57	142.64
26 56 13 00-0622	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	902.60	148.59
26 56 13 00-0623	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,102.06	173.35
26 56 13 00-0624	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,276.44	188.21
26 56 13 00-0625	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,458.71	203.07
26 56 13 00-0626		Landscape Light Poles *(26 56 13 00-0001)*		
26 56 13 00-0627		Aluminum Landscape Light Poles *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0628		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0627)*		
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0628)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	395.07	148.59
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	706.04	198.12
26 56 13 00-0632		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0628)*		
26 56 13 00-0633	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	349.00	148.59
26 56 13 00-0634	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	659.98	198.12
26 56 13 00-0635		Steel Landscape Light Poles *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0635)*		
26 56 13 00-0637		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0636)*		
26 56 13 00-0638	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	363.76	148.59
26 56 13 00-0639		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0636)*		
26 56 13 00-0640	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	348.85	148.59

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0641		Light Pole Brackets And Arms *(26 56 13 00-0001)*			
26 56 13 00-0642		Light Pole Brackets *(26 56 13 00-0641)*			
26 56 13 00-0643		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*			
26 56 13 00-0644		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*			
26 56 13 00-0645		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)*			
		Note: Includes powdercoat finish.			
26 56 13 00-0646	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket		326.44	29.72
		For Galvanized Finish, Add		*26.70*	
26 56 13 00-0647	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket		407.00	29.72
		For Galvanized Finish, Add		*34.76*	
26 56 13 00-0648	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket		431.60	29.72
		For Galvanized Finish, Add		*37.22*	
26 56 13 00-0649	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket		583.39	29.72
		For Galvanized Finish, Add		*52.40*	
26 56 13 00-0650	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket		607.03	29.72
		For Galvanized Finish, Add		*54.76*	
26 56 13 00-0651		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)*			
		Note: Includes satin brushed or painted finish.			
26 56 13 00-0652	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket		238.73	29.72
		For Bronze Or Satin Anodized Finish, Add		*17.93*	
		For Black Anodized Finish, Add		*35.86*	
26 56 13 00-0653	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket		295.93	29.72
		For Bronze Or Satin Anodized Finish, Add		*23.65*	
		For Black Anodized Finish, Add		*47.30*	
26 56 13 00-0654	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket		311.33	29.72
		For Bronze Or Satin Anodized Finish, Add		*25.19*	
		For Black Anodized Finish, Add		*50.38*	
26 56 13 00-0655	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket		365.23	29.72
		For Bronze Or Satin Anodized Finish, Add		*30.58*	
		For Black Anodized Finish, Add		*61.16*	
26 56 13 00-0656	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket		376.23	29.72
		For Bronze Or Satin Anodized Finish, Add		*31.68*	
		For Black Anodized Finish, Add		*63.36*	
26 56 13 00-0657		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*			
26 56 13 00-0658		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0657)*			
		Note: Includes powdercoat finish.			
26 56 13 00-0659	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket		349.45	29.72
		For Galvanized Finish, Add		*29.00*	
26 56 13 00-0660	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket		426.61	29.72
		For Galvanized Finish, Add		*36.72*	
26 56 13 00-0661	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket		517.24	29.72
		For Galvanized Finish, Add		*45.78*	
26 56 13 00-0662	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket		608.30	29.72
		For Galvanized Finish, Add		*54.89*	
26 56 13 00-0663		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*			
26 56 13 00-0664		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0663)*			
		Note: Includes powdercoat finish.			
26 56 13 00-0665	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket		346.04	49.53
26 56 13 00-0666	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket		503.98	49.53
26 56 13 00-0667	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket		690.86	49.53
26 56 13 00-0668	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket		752.34	49.53
26 56 13 00-0669		Light Pole Arms *(26 56 13 00-0641)*			
26 56 13 00-0670		Wood Pole Streetlight Arms *(26 56 13 00-0669)*			
26 56 13 00-0671		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0670)*			
26 56 13 00-0672	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		212.33	44.57
26 56 13 00-0673	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		226.37	49.53
26 56 13 00-0674	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		265.66	61.91
26 56 13 00-0675	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		302.05	49.53
26 56 13 00-0676	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		341.13	61.91
26 56 13 00-0677	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount		413.48	74.30
26 56 13 00-0678		Aluminum, Wood Pole Streetlight Arms *(26 56 13 00-0670)*			
26 56 13 00-0679	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount		222.23	49.53
26 56 13 00-0680	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount		285.41	49.53
26 56 13 00-0681	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount		385.23	61.91
26 56 13 00-0682	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount		511.22	74.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0683		**Area Light Arms** *(26 56 13 00-0669)*		
26 56 13 00-0684		**Steel Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0685	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	380.66	49.53
26 56 13 00-0686	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	580.87	54.48
26 56 13 00-0687	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	644.67	59.43
26 56 13 00-0688	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	761.28	64.38
26 56 13 00-0689	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	456.03	61.91
26 56 13 00-0690	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	636.43	66.86
26 56 13 00-0691		**Aluminum Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	278.36	49.53
26 56 13 00-0693	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	342.73	61.91
26 56 13 00-0694	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	409.29	74.30
26 56 13 00-0695	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	276.16	49.53
26 56 13 00-0696	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	404.87	54.48
26 56 13 00-0697	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	338.33	61.91
26 56 13 00-0698	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	493.43	66.86
26 56 13 00-0699	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	411.49	74.30
26 56 13 00-0700	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	600.70	79.25
26 56 13 00-0701		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0702	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,634.50	
26 56 13 00-0703		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0704		**High Mast Lighting Assemblies** *(26 56 13 00-0703)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0034 for high mast fixtures.		
26 56 13 00-0705	EA	60' High Mast Lighting Assembly	29,972.29	1,536.04
26 56 13 00-0706	EA	70' High Mast Lighting Assembly	31,654.54	1,608.77
26 56 13 00-0707	EA	80' High Mast Lighting Assembly	33,368.33	1,713.84
26 56 13 00-0708	EA	90' High Mast Lighting Assembly	35,112.69	1,851.24
26 56 13 00-0709	EA	100' High Mast Lighting Assembly	36,876.46	2,020.92
26 56 13 00-0710	EA	110' High Mast Lighting Assembly	39,147.05	2,223.17
26 56 13 00-0711	EA	120' High Mast Lighting Assembly	40,994.51	2,425.25
26 56 13 00-0712	EA	130' High Mast Lighting Assembly	42,706.96	2,627.32
26 56 13 00-0713	EA	140' High Mast Lighting Assembly	44,554.43	2,829.50
26 56 13 00-0714	EA	150' High Mast Lighting Assembly	46,783.88	3,031.58
26 56 13 00-0715		**High Mast Light Poles** *(26 56 13 00-0703)*		
26 56 13 00-0716	EA	60' High Mast Light Poles	11,657.03	922.52
26 56 13 00-0717	EA	70' High Mast Light Poles	13,317.42	966.21
26 56 13 00-0718	EA	80' High Mast Light Poles	14,999.67	1,029.34
26 56 13 00-0719	EA	90' High Mast Light Poles	16,702.75	1,111.88
26 56 13 00-0720	EA	100' High Mast Light Poles	18,427.68	1,213.83
26 56 13 00-0721	EA	110' High Mast Light Poles	20,174.44	1,335.22
26 56 13 00-0722	EA	120' High Mast Light Poles	21,511.20	1,456.60
26 56 13 00-0723	EA	130' High Mast Light Poles	21,133.99	2,699.57
26 56 13 00-0724	EA	140' High Mast Light Poles	24,048.74	1,699.37
26 56 13 00-0725	EA	150' High Mast Light Poles	25,521.51	1,820.75
26 56 13 00-0726		**High Mast Lighting Accessories** *(26 56 13 00-0703)*		
		See CSI section 26 56 19 00-0034 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0727	EA	Bottom Latching System For High Mast Lighting	543.25	
26 56 13 00-0728	EA	Top Latching System For High Mast Lighting	1,506.41	
26 56 13 00-0729	EA	Centering Springs For High Mast Lighting	1,140.56	
26 56 13 00-0730	EA	Electric Power Cord For High Mast Lighting	487.70	
26 56 13 00-0731	EA	Aircraft Warning Lights For High Mast Lighting	922.05	
26 56 13 00-0732	EA	Internal Motorized Hoist For High Mast Lighting	9,459.45	
26 56 13 00-0733	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	9,536.70	
26 56 13 00-0734		**Concrete Bases** *(26 56 13 00-0001)*		
26 56 13 00-0735		**Concrete Bases, Cast In Place** *(26 56 13 00-0734)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0736	VLF	2' Diameter Concrete Base For Poles	68.47	
26 56 13 00-0737	VLF	2-1/2' Diameter Concrete Base For Poles	85.48	
26 56 13 00-0738	VLF	3' Diameter Concrete Base For Poles	102.68	
26 56 13 00-0739	VLF	3-1/2' Diameter Concrete Base For Poles	126.96	
26 56 13 00-0740	VLF	4' Diameter Concrete Base For Poles	149.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0741	VLF	5' Diameter Concrete Base For Poles	201.61	
26 56 13 00-0742	VLF	6' Diameter Concrete Base For Poles	262.91	

26 56 19 Roadway Lighting *(26 56)*

26 56 19 00-0001 Metal Halide, Pole Mounted *(26 56 19)*

26 56 19 00-0002	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	692.27	201.10
26 56 19 00-0003	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	791.64	218.29
26 56 19 00-0004	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	941.09	234.82
26 56 19 00-0005	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,155.90	275.22

26 56 19 00-0006 High Pressure Sodium, Pole Mounted *(26 56 19)*

26 56 19 00-0007	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	562.48	234.82
26 56 19 00-0008	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	578.88	234.82
26 56 19 00-0009	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	605.53	234.82
26 56 19 00-0010	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	674.43	234.82
26 56 19 00-0011	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	779.67	234.82
26 56 19 00-0012	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,071.09	234.82

26 56 19 00-0013 Low Pressure Sodium, Pole Mounted *(26 56 19)*

26 56 19 00-0014	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	663.66	127.74
26 56 19 00-0015	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	642.42	187.86
26 56 19 00-0016	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	777.68	187.86

26 56 19 00-0017 LED, Pole Mounted (Dialight) *(26 56 19)*

26 56 19 00-0018	EA	131 System Watts, Enclosed And Gasketed, Exterior Roadway Fixture (Dialight SL2C4ELGH)	1,106.94	142.31

26 56 19 00-0019 LED, Pole Mounted (LED-Era) *(26 56 19)*

26 56 19 00-0020	EA	88 System Watts, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5)	1,349.57	129.38
26 56 19 00-0021	EA	124 System Watts, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7)	1,600.21	142.31

26 56 19 00-0022 LED, Pole Mounted (Lighting Science Group) *(26 56 19)*

26 56 19 00-0023	EA	50 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	997.10	116.43
26 56 19 00-0024	EA	75 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	1,022.98	129.38
26 56 19 00-0025	EA	100 System Watts, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	1,104.67	135.84
26 56 19 00-0026	EA	100 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	1,104.67	135.84
26 56 19 00-0027	EA	150 System Watts, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	1,130.55	148.78
26 56 19 00-0028	EA	150 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	1,130.55	148.78
26 56 19 00-0029	EA	86 System Watts, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR)	1,300.64	129.38

26 56 19 00-0030 Street Light Accessories *(26 56 19)*

26 56 19 00-0031 Photo Controls *(26 56 19 00-0030)*

26 56 19 00-0032	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	74.04	
26 56 19 00-0033	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	84.90	

26 56 19 00-0034 High Mast Fixtures *(26 56 19)*

26 56 19 00-0035 Metal Halide *(26 56 19 00-0034)*

26 56 19 00-0036	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,272.94	123.33
26 56 19 00-0037	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,359.52	123.33
26 56 19 00-0038	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,350.15	140.90
26 56 19 00-0039	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,402.10	140.90
26 56 19 00-0040	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,423.09	176.12
26 56 19 00-0041	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,475.04	176.12

26 56 19 00-0042 High Pressure Sodium *(26 56 19 00-0034)*

26 56 19 00-0043	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,316.73	123.33
26 56 19 00-0044	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,368.68	123.33
26 56 19 00-0045	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,585.00	130.37
26 56 19 00-0046	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,625.06	140.90
26 56 19 00-0047	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,723.97	176.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0048		**LED Roadway Lighting** *(26 56 19)*		
26 56 19 00-0049		**LED Roadway Lighting (Philips Lumec)** *(26 56 19 00-0048)*		
26 56 19 00-0050		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)** *(26 56 19 00-0049)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0051	EA	49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	896.47	119.67
26 56 19 00-0052	EA	98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,367.04	122.90
26 56 19 00-0053		**LED Roadway Lighting (Lithonia)** *(26 56 19 00-0048)*		
26 56 19 00-0054		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)** *(26 56 19 00-0053)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0055	EA	30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,271.63	113.20
26 56 19 00-0056	EA	60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,066.59	116.43
26 56 19 00-0057		**LED Roadway Lighting (CREE® BetaLED®)** *(26 56 19 00-0048)*		
26 56 19 00-0058		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)** *(26 56 19 00-0057)* Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0059	EA	UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.	579.04	109.97
26 56 19 00-0060	EA	30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	646.40	113.20
26 56 19 00-0061	EA	40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	727.42	116.43
26 56 19 00-0062	EA	50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	795.84	119.67
26 56 19 00-0063	EA	60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	864.26	122.90
26 56 19 00-0064	EA	70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,025.08	126.14
26 56 19 00-0065	EA	80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,093.50	129.38
26 56 19 00-0066	EA	90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,160.87	132.61
26 56 19 00-0067	EA	100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,291.23	135.84
26 56 19 00-0068	EA	110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,359.65	139.07
26 56 19 00-0069	EA	120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,428.07	142.31
26 56 19 00-0070		**Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)** *(26 56 19 00-0057)* Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0071	EA	40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,110.67	116.43
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0072	EA	60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,277.96	122.90
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0073	EA	80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,445.25	129.38
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0074	EA	100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,612.53	135.84
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0075	EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,107.42	142.31
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0076	EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,274.71	148.78
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0077	EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,442.00	155.25
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 19 00-0078		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)** *(26 56 19 00-0057)* Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0079	EA	4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	491.63	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*23.35*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*35.04*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0080	EA	5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	491.63	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*23.35*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*35.04*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0081	EA	8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	538.44	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*23.35*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*35.04*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0082	EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	538.44	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*23.35*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*35.04*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0083	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	621.65	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*32.44*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*55.86*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0084	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	621.65	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*32.44*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*55.86*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0085	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	699.68	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*32.44*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*55.86*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0086	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	699.68	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*32.44*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*55.86*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0087	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	408.41	116.43
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0088	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	408.41	116.43
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0089	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	427.92	116.43
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0090	EA	4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	427.92	116.43
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0091	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	434.42	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0092	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	434.42	116.43
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	

26 56 19 00-0093 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0057)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0094	EA	3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) (DLC Certified)	421.42	116.43
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*42.60*	
		For Bird Spikes, Add	*56.22*	
26 56 19 00-0095	EA	3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) (DLC Certified)	421.42	116.43
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*42.60*	
		For Bird Spikes, Add	*56.22*	
26 56 19 00-0096	EA	5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) (DLC Certified)	434.42	116.43
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*42.60*	
		For Bird Spikes, Add	*56.22*	
26 56 19 00-0097	EA	5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) (DLC Certified)	434.42	116.43
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*42.60*	
		For Bird Spikes, Add	*56.22*	

26 56 19 00-0098 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0048)*

26 56 19 00-0099 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0098)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0100	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	592.30	116.43
26 56 19 00-0101	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	788.36	129.38
26 56 19 00-0102	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	850.72	148.78
26 56 19 00-0103	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,235.47	161.71
26 56 19 00-0104	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,606.16	184.11

26 56 19 00-0105 LED Roadway Lighting (PlanLED) *(26 56 19 00-0048)*

26 56 19 00-0106 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0105)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0107	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	698.73	113.20
26 56 19 00-0108	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	755.64	114.44
26 56 19 00-0109	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	800.98	116.43

26 56 19 00-0110 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0105)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0111	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	478.86	110.47
26 56 19 00-0112	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	510.05	112.45
26 56 19 00-0113	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	558.65	114.44

26 56 19 00-0114 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0105)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0115	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	590.21	114.44
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*46.65*	
26 56 19 00-0116	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	648.80	115.44
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*13.80*	
26 56 19 00-0117	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	694.32	116.43
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*-4.89*	

26 56 19 00-0118 LED Roadway Lighting (General Electric) *(26 56 19 00-0048)*

26 56 19 00-0119 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0118)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0120	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23)	441.84	109.97
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0121	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1)	471.65	113.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0122	EA	5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1)	490.07	114.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0123	EA	9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1)	541.92	119.67
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0124	EA	2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23)	463.07	109.97
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0125	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2)	512.00	113.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0126	EA	5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2)	522.98	114.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0127	EA	10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2)	565.28	119.67
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0128	EA	11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3)	656.69	122.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0129	EA	19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3)	736.51	129.38
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	

26 56 19 00-0130 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0048)*

26 56 19 00-0131 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0130)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0132	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	678.72	113.20
26 56 19 00-0133	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	830.24	116.43
26 56 19 00-0134	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,135.46	119.67
26 56 19 00-0135	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,443.59	124.40
26 56 19 00-0136	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,744.14	127.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137		LED Roadway Lighting (Leotek) *(26 56 19 00-0048)*		
26 56 19 00-0138		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0137)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0139	EA	2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX)	343.68	109.97
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*29.73*	
26 56 19 00-0140	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX)	389.16	113.20
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*29.73*	
26 56 19 00-0141	EA	6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX)	443.56	116.43
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*31.85*	
26 56 19 00-0142	EA	9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX)	496.86	119.67
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*35.04*	
26 56 19 00-0143	EA	11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX)	596.97	122.90
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*38.22*	
26 56 19 00-0144	EA	15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX)	682.59	126.14
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*38.22*	
26 56 19 00-0145	EA	19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX)	754.83	129.38
		For Utility Wattage Label, Add	*1.27*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.74*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*14.01*	
		For House Or Cul-De-Sac Side Shield, Add	*38.22*	
26 56 19 00-0146		Induction Roadway Lighting *(26 56 19)*		
26 56 19 00-0147		Induction Roadway Lighting (US Lighting Tech) *(26 56 19 00-0146)*		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	587.99	149.28
26 56 19 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	654.70	154.25
26 56 19 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	674.60	164.20
26 56 19 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	694.51	174.16
26 56 19 00-0152	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	834.98	179.13
26 56 19 00-0153	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	849.47	184.11
26 56 19 00-0154	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	540.32	149.28
26 56 19 00-0155	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	613.84	154.25
26 56 19 00-0156	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	633.74	164.20
26 56 19 00-0157	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	653.65	174.16
26 56 23		**Area Lighting** *(26 56)*		
26 56 23 00-0001		Exterior Globe *(26 56 23)*		
26 56 23 00-0002		Incandescent *(26 56 23 00-0001)*		
26 56 23 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	55.52	16.49
26 56 23 00-0004	EA	150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	96.05	16.49
26 56 23 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	70.03	16.49
26 56 23 00-0006	EA	150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	101.64	16.49
26 56 23 00-0007		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 23)*		
26 56 23 00-0008		Metal Halide *(26 56 23 00-0007)*		
26 56 23 00-0009	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	636.37	187.86
26 56 23 00-0010	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	741.26	211.34
26 56 23 00-0011	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	912.45	234.82
26 56 23 00-0012	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,129.28	275.22
26 56 23 00-0013		High Pressure Sodium *(26 56 23 00-0007)*		
26 56 23 00-0014	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	637.27	160.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0015	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	698.08	170.95
26 56 23 00-0016	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	758.68	180.35
26 56 23 00-0017	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	782.85	187.86
26 56 23 00-0018	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	877.46	211.34
26 56 23 00-0019	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	949.55	234.82
26 56 23 00-0020	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,260.99	275.22
26 56 23 00-0021		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23)*		
26 56 23 00-0022		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	625.03	126.81
26 56 23 00-0024	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	646.59	140.90
26 56 23 00-0025	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	501.68	160.62
26 56 23 00-0026	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	706.64	170.95
26 56 23 00-0027	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	725.81	180.35
26 56 23 00-0028	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	761.01	187.86
26 56 23 00-0029	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	835.17	211.34
26 56 23 00-0030	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,022.09	234.82
26 56 23 00-0031		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	487.61	140.90
26 56 23 00-0033	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	521.96	160.62
26 56 23 00-0034	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	542.15	170.95
26 56 23 00-0035	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	570.15	180.35
26 56 23 00-0036	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	580.56	187.86
26 56 23 00-0037	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	633.77	211.34
26 56 23 00-0038	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	787.61	234.82
26 56 23 00-0039		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	171.49	65.96
26 56 23 00-0041	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	179.77	70.09
26 56 23 00-0042	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	195.70	74.21
26 56 23 00-0043	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	202.57	82.44
26 56 23 00-0044	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	228.25	94.81
26 56 23 00-0045		Wall Packs *(26 56 23)*		
26 56 23 00-0046		Non Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	229.30	45.09
26 56 23 00-0048	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	243.11	45.09
26 56 23 00-0049	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	243.11	45.09
26 56 23 00-0050	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	310.08	45.09
26 56 23 00-0051		Semi Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	418.17	45.09
26 56 23 00-0053	EA	50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	423.14	45.09
26 56 23 00-0054	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	427.44	45.09
26 56 23 00-0055	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	419.60	45.09
26 56 23 00-0056	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	387.37	45.09
26 56 23 00-0057	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	369.67	45.09
26 56 23 00-0058		Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	438.56	45.09
26 56 23 00-0060	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	443.09	45.09
26 56 23 00-0061	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	435.27	45.09
26 56 23 00-0062	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	441.57	45.09
26 56 23 00-0063	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	441.57	45.09
26 56 23 00-0064		Non Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.58	60.06
26 56 23 00-0066	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.58	60.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0067	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	407.33	60.06
26 56 23 00-0068	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	416.62	60.06
26 56 23 00-0069	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	416.62	60.06
26 56 23 00-0070	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	389.73	60.06
26 56 23 00-0071		Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	445.95	60.06
26 56 23 00-0073	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	445.95	60.06
26 56 23 00-0074	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	445.95	60.06
26 56 23 00-0075	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.69	60.06
26 56 23 00-0076	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.69	60.06
26 56 23 00-0077	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.69	60.06
26 56 23 00-0078		Full Cutoff, Tempered Glass Lens, Small Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	562.04	60.06
26 56 23 00-0080		Cutoff, Borosilicate Glass Lens, Medium Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	543.41	74.40
26 56 23 00-0082	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	576.29	74.40
26 56 23 00-0083	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	615.49	74.40
26 56 23 00-0084	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	626.28	74.40
26 56 23 00-0085		Cutoff, Tempered Glass Lens, Medium Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	585.70	74.40
26 56 23 00-0087	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	622.65	74.40
26 56 23 00-0088		Non Cutoff, Polycarbonate Lens, Large Wall Packs *(26 56 23 00-0045)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	557.50	90.19
26 56 23 00-0090	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	518.37	90.19
26 56 23 00-0091	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	548.44	90.19
26 56 23 00-0092	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	551.44	90.19
26 56 23 00-0093	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	554.58	90.19
26 56 23 00-0094		Non Cutoff, Borosilicate Glass Lens, Large Wall Packs *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	557.51	90.19
26 56 23 00-0096	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	570.57	90.19
26 56 23 00-0097	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	609.70	90.19
26 56 23 00-0098	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	583.61	90.19
26 56 23 00-0099	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	596.67	90.19
26 56 23 00-0100	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	622.73	90.19
26 56 23 00-0101		Full Cutoff, LED Wall Packs *(26 56 23 00-0045)*		
26 56 23 00-0102		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 23 00-0101)*		
26 56 23 00-0103	EA	30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,010.69	87.08
26 56 23 00-0104	EA	30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,101.50	87.08
26 56 23 00-0105		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 23 00-0101)*		
26 56 23 00-0106		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 23 00-0105)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107	EA	20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	617.78	84.59
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*31.86*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0108	EA	40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	790.27	89.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*32.36*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0109	EA	60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	962.76	94.54
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*32.85*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0110	EA	80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,135.26	99.51
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*33.35*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0111	EA	100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,307.74	104.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*33.85*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0112	EA	120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,480.24	109.47
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*34.35*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	

26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 23 00-0105)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0114	EA	25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	376.42	84.59
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*37.15*	
26 56 23 00-0115	EA	42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	434.72	89.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*37.15*	

26 56 23 00-0116 Semi Cutoff, Induction Wall Packs *(26 56 23 00-0045)*

26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) *(26 56 23 00-0116)*

Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 23 00-0118	EA	70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	669.44	84.59
26 56 23 00-0119	EA	80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	684.96	89.57
26 56 23 00-0120	EA	100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	700.49	94.54
26 56 23 00-0121	EA	120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	777.33	99.51

26 56 23 00-0122 Wall Pack Accessories *(26 56 23 00-0045)*

26 56 23 00-0123	EA	Photocell For Wall Pack	85.09	22.55
26 56 23 00-0124	EA	Wire Guard For Mini And Small Wall Pack	93.45	22.55
26 56 23 00-0125	EA	Wire Guard For Medium And Large Wall Pack	128.42	22.55
26 56 23 00-0126	EA	Clear Polycarbonate Vandal Guard For Wall Packs	178.89	22.55
26 56 23 00-0127	EA	Full Cutoff Visor For Wall Pack	91.17	22.55

26 56 23 00-0128 LED Area Fixtures *(26 56 23)*

26 56 23 00-0129 Pole Mount, LED Area Fixtures *(26 56 23 00-0128)*

26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 23 00-0129)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 23 00-0131	EA	20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	1,942.70	84.59
26 56 23 00-0132	EA	40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,094.53	89.57
26 56 23 00-0133	EA	80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,256.32	99.51
26 56 23 00-0134	EA	100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,266.26	104.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0135		Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 23 00-0129)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136	EA	40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	821.73	89.57
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*26.61*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0137	EA	60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	986.03	94.54
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*27.10*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0138	EA	80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,212.29	99.51
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*27.60*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0139	EA	100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,376.58	104.50
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*28.10*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0140	EA	120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,540.89	109.47
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*28.60*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0141	EA	140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,754.54	114.44
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*29.09*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0142	EA	160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,918.85	119.42
		For Backlight Shielding, Add	*14.70*	
		For Type II Medium Optic, Add	*29.59*	
		For 347-480 Volt, Add	*55.20*	
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0143		Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 23 00-0129)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0144	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,426.92	109.47
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*30.46*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.03*	
26 56 23 00-0145	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,386.91	134.35
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Bird Spikes, Add	*44.66*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.02*	
		For 480 Volt, Add	*111.45*	
26 56 23 00-0146		Wall Mount, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0147		Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 23 00-0146)* Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0148	EA	20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	851.63	84.59
26 56 23 00-0149	EA	30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	871.53	94.54
26 56 23 00-0150		Surface Mount, LED Parking Structure Fixtures *(26 56 23 00-0128)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0151		Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 23 00-0150)* Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0152	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	729.33	89.57
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0153	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	893.63	94.54
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0154	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,057.94	99.51
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0155	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,222.23	104.50
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0156		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 23 00-0150)* Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0157	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	704.13	89.57
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0158	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	776.03	94.54
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0159		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 23 00-0150)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0160	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	584.34	89.57
26 56 23 00-0161		Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 23 00-0150)* Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0162	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,079.28	94.54
26 56 23 00-0163	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,099.18	104.50
26 56 23 00-0164		Surface Mount, LED Canopy Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0165		Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 23 00-0164)* Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	840.63	89.57
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0167	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,004.93	94.54
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0168	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,169.24	99.51
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0169	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,333.53	104.50
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0170	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,497.84	109.47
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0171	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,724.09	114.44
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0172	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,888.40	119.42
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0173	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,217.00	129.38
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 23 00-0174	EA	240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,535.65	134.35
		For Multi-Level Drive Currents, Add	*147.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0175		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 23 00-0164)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0176	EA	8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	594.89	99.51
26 56 23 00-0177		Recessed Mount, LED Soffit Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0178		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 23 00-0177)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0179	EA	40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	716.73	89.57
26 56 23 00-0180	EA	60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	788.63	94.54
26 56 23 00-0181		Surface Mount, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0182		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 23 00-0181)*		
		Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0183	EA	50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	644.18	89.57
26 56 23 00-0184	EA	50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	798.45	89.57
26 56 23 00-0185	EA	68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	678.26	99.51
26 56 23 00-0186	EA	68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	826.14	99.51
26 56 23 00-0187		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 23 00-0181)*		
		Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0188	EA	13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	210.97	32.47
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0189	EA	20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	244.24	32.47
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0190	EA	30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	307.62	32.47
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0191		Surface Mount, LED Facade Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0192		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 23 00-0191)*		
26 56 23 00-0193	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	406.73	37.93
26 56 23 00-0194	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	650.19	34.63
26 56 23 00-0195	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	824.19	28.86
26 56 23 00-0196	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	998.16	23.08
26 56 23 00-0197		Post Top, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0198		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 23 00-0197)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199	EA	1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,169.35	136.84
26 56 23 00-0200	EA	3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,283.64	136.84
26 56 23 00-0201	EA	77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,373.98	136.84
26 56 23 00-0202		Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 23 00-0197)*		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203	EA	2,380 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 D5/D3)	1,406.62	136.84
		For >25 To 500, Deduct	*-79.31*	
		For >500, Deduct	*-147.28*	
26 56 23 00-0204	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,434.16	136.84
		For >25 To 500, Deduct	*-81.23*	
		For >500, Deduct	*-266.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0205	EA	4,630 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 B5/B3)	1,448.17	136.84
		For >25 To 500, Deduct	*-82.22*	
		For >500, Deduct	*-152.69*	
26 56 23 00-0206	EA	6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,465.38	136.84
		For >25 To 500, Deduct	*-83.42*	
		For >500, Deduct	*-274.09*	

26 56 23 00-0207 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 23 00-0197)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 23 00-0208	EA	2,380 Lumens, 49 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC D5/D3)	994.04	136.84
		For >25 To 500, Deduct	*-50.43*	
		For >500, Deduct	*-122.46*	
26 56 23 00-0209	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,011.55	136.84
		For >25 To 500, Deduct	*-51.65*	
		For >500, Deduct	*-213.99*	
26 56 23 00-0210	EA	4,630 Lumens, 86 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC B5/B3)	1,039.64	136.84
		For >25 To 500, Deduct	*-38.30*	
		For >500, Deduct	*-137.87*	
26 56 23 00-0211	EA	6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,058.27	136.84
		For >25 To 500, Deduct	*-54.92*	
		For >500, Deduct	*-204.00*	

26 56 23 00-0212 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 23 00-0197)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 23 00-0213	EA	2,250 Lumens, 49 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST D5/D3)	786.74	136.84
		For >25 To 500, Deduct	*-35.91*	
		For >500, Deduct	*-56.44*	
26 56 23 00-0214	EA	3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	799.21	136.84
		For >25 To 500, Deduct	*-36.79*	
		For >500, Deduct	*-110.36*	
26 56 23 00-0215	EA	4,350 Lumens, 86 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST B5/B3)	832.34	136.84
		For >500, Deduct	*-72.63*	
		For >25 To 500, Deduct	*-33.52*	
26 56 23 00-0216	EA	6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	845.93	136.84
		For >25 To 500, Deduct	*-40.06*	
		For >500, Deduct	*-120.17*	

26 56 23 00-0217 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 23 00-0197)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 23 00-0218	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,873.87	136.84

26 56 23 00-0219 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) *(26 56 23 00-0197)*

Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0126 for disposal of hazardous lamps.

26 56 23 00-0220	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	532.88	74.64
		For 0 To 10 Volt Dimming, Add	*37.15*	

26 56 23 00-0221 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 23 00-0197)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0126 for disposal of hazardous lamps.

26 56 23 00-0222	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	328.95	15.93
		For Backlight Control Shield, Add	*25.28*	

26 56 23 00-0223 Induction Area Fixtures *(26 56 23)*

26 56 23 00-0224 Post Top, Induction Area Fixtures *(26 56 23 00-0223)*

26 56 23 00-0225 Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 23 00-0224)*

Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.

26 56 23 00-0226	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	683.42	136.84
26 56 23 00-0227	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	749.26	136.84
26 56 23 00-0228	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	749.26	136.84
26 56 23 00-0229	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	749.26	136.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0230		Surface Mount, Induction Parking Structure Fixtures *(26 56 23 00-0223)*		
26 56 23 00-0231		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 23 00-0230)*		
26 56 23 00-0232	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	602.96	124.40
26 56 23 00-0233	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	646.53	126.89
26 56 23 00-0234	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	656.05	129.38
26 56 23 00-0235	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	665.56	131.86
26 56 23 00-0236	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	675.08	134.35
26 56 23 00-0237	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	689.13	136.84
26 56 23 00-0238	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	721.88	129.38
26 56 23 00-0239	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	731.39	131.86
26 56 23 00-0240	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	740.91	134.35
26 56 23 00-0241	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	774.26	136.84
26 56 23 00-0242		Pole Mount, Induction Area Fixtures *(26 56 23 00-0223)*		
26 56 23 00-0243		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 23 00-0242)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0244	EA	70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	697.31	84.59
26 56 23 00-0245	EA	80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	718.41	89.57
26 56 23 00-0246	EA	100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	739.51	94.54
26 56 23 00-0247		Metal Halide Area Fixtures *(26 56 23)*		
26 56 23 00-0248		Pole Mount, Metal Halide Area Fixtures *(26 56 23 00-0247)* Note: Includes pulse start ballast.		
26 56 23 00-0249	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	661.97	123.83
26 56 23 00-0250	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	726.62	136.21
26 56 23 00-0251	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	802.52	148.59
26 56 23 00-0252	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	857.12	173.35
26 56 23 00-0253		High Pressure Sodium Area Fixtures *(26 56 23)*		
26 56 23 00-0254		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 23 00-0253)*		
26 56 23 00-0255	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	547.99	99.06
26 56 23 00-0256	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	604.65	123.83
26 56 23 00-0257	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	663.22	148.59
26 56 23 00-0258	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	707.85	173.35
26 56 23 00-0259		Area Lighting Accessories *(26 56 23)*		
26 56 23 00-0260		Outdoor Motion Sensors *(26 56 23 00-0259)*		
26 56 23 00-0261	EA	70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	79.61	22.58
26 56 23 00-0262	EA	70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	85.85	22.58
26 56 23 00-0263	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	317.72	22.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	

26 56 26 Landscape Lighting *(26 56)*

26 56 26 00-0001		Bollards *(26 56 26)* Note: Excludes concrete base.		
26 56 26 00-0002		Aluminum Architectural Bollards *(26 56 26 00-0001)*		
26 56 26 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	859.65	76.66
26 56 26 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	868.66	81.17
26 56 26 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.68	85.68
26 56 26 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	818.49	90.19
26 56 26 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	859.65	76.66
26 56 26 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	868.66	81.17
26 56 26 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.68	85.68
26 56 26 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	818.49	90.19
26 56 26 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	859.65	76.66
26 56 26 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	868.66	81.17
26 56 26 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.68	85.68
26 56 26 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	818.49	90.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	859.65	76.66
26 56 26 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	868.66	81.17
26 56 26 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.68	85.68
26 56 26 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	818.49	90.19
26 56 26 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	828.32	76.66
26 56 26 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.33	81.17
26 56 26 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	846.35	85.68
26 56 26 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	786.88	90.19
26 56 26 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	828.32	76.66
26 56 26 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.33	81.17
26 56 26 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	846.35	85.68
26 56 26 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	786.88	90.19
26 56 26 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	828.32	76.66
26 56 26 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.33	81.17
26 56 26 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	846.35	85.68
26 56 26 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	786.88	90.19
26 56 26 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	828.32	76.66
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.33	81.17
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	846.35	85.68
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	786.88	90.19
26 56 26 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	900.31	76.66
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	909.32	81.17
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	918.34	85.68
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	858.87	90.19
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	900.31	76.66
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	909.32	81.17
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	918.34	85.68
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	858.87	90.19
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	900.31	76.66
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	909.32	81.17
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	918.34	85.68
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	892.90	90.19
26 56 26 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	868.71	76.66
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	877.72	81.17
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	886.74	85.68
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	827.26	90.19
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	868.71	76.66
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	877.72	81.17
26 56 26 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	886.74	85.68
26 56 26 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	827.26	90.19
26 56 26 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	868.71	76.66
26 56 26 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	877.72	81.17
26 56 26 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	886.74	85.68
26 56 26 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	827.26	90.19
26 56 26 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	856.08	76.66
26 56 26 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	865.09	81.17
26 56 26 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.11	85.68
26 56 26 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.56	90.19
26 56 26 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	856.08	76.66
26 56 26 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	865.09	81.17
26 56 26 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.11	85.68
26 56 26 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.56	90.19
26 56 26 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	856.08	76.66
26 56 26 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	865.09	81.17
26 56 26 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	874.11	85.68
26 56 26 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.56	90.19
26 56 26 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	825.16	76.66
26 56 26 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	834.17	81.17
26 56 26 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.19	85.68
26 56 26 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	785.24	90.19
26 56 26 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	825.16	76.66
26 56 26 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	834.17	81.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.19	85.68
26 56 26 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	785.24	90.19
26 56 26 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	825.16	76.66
26 56 26 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	834.17	81.17
26 56 26 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.19	85.68
26 56 26 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	785.24	90.19
26 56 26 00-0092		LED, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0093		Square, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,016.61	76.66
26 56 26 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,025.62	81.17
26 56 26 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,034.64	85.68
26 56 26 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	976.95	90.19
26 56 26 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,231.83	76.66
26 56 26 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,240.84	81.17
26 56 26 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,249.86	85.68
26 56 26 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,191.11	90.19
26 56 26 00-0102		Round, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	984.50	76.66
26 56 26 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	993.51	81.17
26 56 26 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,002.53	85.68
26 56 26 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	943.77	90.19
26 56 26 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,199.73	76.66
26 56 26 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,208.74	81.17
26 56 26 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,217.76	85.68
26 56 26 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,159.38	90.19
26 56 26 00-0111		Reinforced Concrete Bollards *(26 56 26 00-0001)*		
26 56 26 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	935.51	225.46
26 56 26 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,590.82	300.59
26 56 26 00-0114		Low Voltage *(26 56 26)*		
26 56 26 00-0115	EA	Low Voltage Recessed Uplight	772.02	164.14
26 56 26 00-0116	EA	Low Voltage Walkway	580.46	90.19
26 56 26 00-0117	EA	Low Voltage Malibu - 5 Light Set	531.79	120.40
26 56 26 00-0118	EA	Low Voltage Mushroom 24" Pier	478.62	90.19
26 56 26 00-0119		Recessed, Adjustable *(26 56 26)*		
26 56 26 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	965.09	144.30
26 56 26 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	1,074.21	144.30
26 56 26 00-0122		Recessed, Uplight *(26 56 26)*		
26 56 26 00-0123	EA	50 Watt Incandescent Recessed Uplight	841.43	144.30
26 56 26 00-0124	EA	150 Watt Incandescent Recessed Uplight	863.25	144.30
26 56 26 00-0125	EA	300 Watt Incandescent Recessed Uplight	928.72	144.30
26 56 26 00-0126	EA	500 Watt Quartz Recessed Uplight	921.44	144.30
26 56 26 00-0127	EA	5 Watt LED Recessed Uplight	681.38	144.30
26 56 26 00-0128	EA	15 Watt LED Recessed Uplight	741.33	144.30
26 56 26 00-0129		Recessed Wall Light *(26 56 26)*		
26 56 26 00-0130	EA	100 Watt Incandescent Recessed Wall Light	413.15	90.19
26 56 26 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	391.33	90.19
26 56 26 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	670.00	120.40
26 56 26 00-0133		Step Lights *(26 56 26)*		
26 56 26 00-0134	EA	Incandescent Step Light	340.66	72.15
26 56 26 00-0135	EA	Fluorescent Step Light	413.45	72.15
26 56 26 00-0136	EA	5 Watt LED Step Light	370.11	72.15
26 56 26 00-0137	EA	15 Watt LED Step Light	434.06	72.15
26 56 26 00-0138		Tree Lights, Surface Adjustable *(26 56 26)*		
26 56 26 00-0139	EA	50 Watt Incandescent Tree Lights	764.57	120.40
26 56 26 00-0140	EA	100 Watt Incandescent Tree Lights	786.39	120.40
26 56 26 00-0141	EA	150 Watt Incandescent Tree Lights	942.69	180.37
26 56 26 00-0142		Underwater Lights *(26 56 26)*		
26 56 26 00-0143	EA	150 Watt, 120 Volt Underwater Lights	680.09	59.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0144	EA	300 Watt, 120 Volt Underwater Lights	767.38	59.97
26 56 26 00-0145	EA	1,000 Watt, 120 Volt Underwater Lights	1,962.60	90.19
26 56 26 00-0146	EA	50 Watt, 12 Volt Underwater Lights	716.46	59.97
26 56 26 00-0147	EA	300 Watt, 12 Volt Underwater Lights	818.30	59.97
26 56 26 00-0148	EA	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	2,125.07	135.28

26 56 33 Walkway Lighting *(26 56)*

26 56 33 00-0001 Incandescent Walkway *(26 56 33)*

26 56 33 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	429.77	83.87

26 56 33 00-0003 Metal Halide Walkway *(26 56 33)*

26 56 33 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	657.64	131.85
26 56 33 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	701.50	136.63
26 56 33 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	765.91	141.86
26 56 33 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	817.62	153.32
26 56 33 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	719.98	141.86
26 56 33 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	746.01	131.85
26 56 33 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	756.64	136.63
26 56 33 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	624.27	93.97
26 56 33 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	670.21	93.97
26 56 33 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	716.14	93.97
26 56 33 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	808.86	105.79
26 56 33 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	605.27	84.41

26 56 33 00-0016 High Pressure Sodium Walkway *(26 56 33)*

26 56 33 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	571.47	131.85
26 56 33 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	607.83	136.63
26 56 33 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	660.40	141.86
26 56 33 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	705.87	153.32
26 56 33 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	624.52	141.86
26 56 33 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	640.50	131.85
26 56 33 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	650.91	136.63
26 56 33 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	528.81	93.97
26 56 33 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	564.70	93.97
26 56 33 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	600.59	93.97
26 56 33 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	678.24	105.79
26 56 33 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	509.81	84.41

26 56 33 00-0029 Walkway, Adjustable *(26 56 33)*

26 56 33 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	626.08	120.40
26 56 33 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	648.75	120.40
26 56 33 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,161.51	180.37
26 56 33 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	542.98	90.19
26 56 33 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	573.20	90.19

26 56 33 00-0035 LED Walkway *(26 56 33)*

26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 56 33 00-0035)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 33 00-0037	EA	13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	579.52	69.25
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 33 00-0038	EA	18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	597.37	69.25
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 33 00-0039	EA	36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	628.87	69.25
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 33 00-0040	EA	42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	653.02	69.25
		For Multi-Level Drive Currents, Add	*147.00*	
26 56 33 00-0041	EA	96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	754.26	89.04
		For Multi-Level Drive Currents, Add	*147.00*	

26 56 36 Flood Lighting *(26 56)*

26 56 36 00-0001 General Electric Powerflood® Flood Lights *(26 56 36)*

26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights *(26 56 36 00-0001)*

Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.

26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights *(26 56 36 00-0002)*

26 56 36 00-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	237.35	74.30
26 56 36 00-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	239.12	74.30
26 56 36 00-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	242.08	74.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0007		Metal Halide MPF Series GE Flood Lights *(26 56 36 00-0002)*		
26 56 36 00-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	307.76	74.30
26 56 36 00-0009		P-154 (Small Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	453.14	99.06
26 56 36 00-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	455.51	99.06
26 56 36 00-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	459.65	99.06
26 56 36 00-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	506.40	99.06
26 56 36 00-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	520.00	99.06
26 56 36 00-0016		Metal Halide P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	449.00	99.06
26 56 36 00-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	469.71	99.06
26 56 36 00-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	480.36	99.06
26 56 36 00-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	467.85	111.44
26 56 36 00-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	470.81	111.44
26 56 36 00-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	475.55	111.44
26 56 36 00-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	521.70	111.44
26 56 36 00-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	534.72	111.44
26 56 36 00-0027		Metal Halide PF-154 GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	464.30	111.44
26 56 36 00-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	484.42	111.44
26 56 36 00-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	495.07	111.44
26 56 36 00-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	607.49	111.44
26 56 36 00-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	648.91	111.44
26 56 36 00-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	645.96	111.44
26 56 36 00-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	660.75	111.44
26 56 36 00-0037		Metal Halide PF-400 GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	622.88	111.44
26 56 36 00-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	635.30	111.44
26 56 36 00-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	648.32	111.44
26 56 36 00-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042		High Pressure Sodium PF-154 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	809.17	123.83
26 56 36 00-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	809.17	123.83
26 56 36 00-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	774.85	123.83
26 56 36 00-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	664.30	111.44
26 56 36 00-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	675.54	111.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	670.81	111.44
26 56 36 00-0053		Accessories For Powerflood GE Flood Lights *(26 56 36 00-0001)*		
26 56 36 00-0054	EA	Wireguard For Powerflood GE Flood Light	117.58	24.76
26 56 36 00-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	73.79	24.76
26 56 36 00-0056	EA	Top Visor For Powerflood Flood Light	101.01	24.76
26 56 36 00-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	80.30	24.76
26 56 36 00-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	208.94	74.30
26 56 36 00-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	86.81	24.76
26 56 36 00-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	164.57	74.30
26 56 36 00-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	169.89	74.30
26 56 36 00-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	68.46	24.76
26 56 36 00-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	66.69	24.76
26 56 36 00-0064		Lithonia Contour Series Flood Lights *(26 56 36)*		
26 56 36 00-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 56 36 00-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	421.64	99.06
26 56 36 00-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	455.81	99.06
26 56 36 00-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	489.26	99.06
26 56 36 00-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	531.01	99.06
26 56 36 00-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	522.79	99.06
26 56 36 00-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	509.53	99.06
26 56 36 00-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	508.55	99.06
26 56 36 00-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	527.60	99.06
26 56 36 00-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 56 36 00-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 56 36 00-0077)*		
26 56 36 00-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	624.44	111.44
26 56 36 00-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	635.84	111.44
26 56 36 00-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 56 36 00-0077)*		
26 56 36 00-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	598.83	111.44
26 56 36 00-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	598.83	111.44
26 56 36 00-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	616.70	111.44
26 56 36 00-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 56 36 00-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 56 36 00-0085)*		
26 56 36 00-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	593.99	99.06
26 56 36 00-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	611.04	99.06
26 56 36 00-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	625.29	99.06
26 56 36 00-0090		Metal Halide TFR Lithonia Flood Lights *(26 56 36 00-0085)*		
26 56 36 00-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	588.29	99.06
26 56 36 00-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	605.36	99.06
26 56 36 00-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 56 36 00-0064)* Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 56 36 00-0093)*		
26 56 36 00-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,116.12	123.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0096		**Metal Halide TFA Series Lithonia Flood Lights** *(26 56 36 00-0093)*		
26 56 36 00-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	874.08	123.83
26 56 36 00-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	959.50	123.83
26 56 36 00-0099		**Accessories For Contour Series Lithonia Flood Lights** *(26 56 36 00-0064)*		
26 56 36 00-0100	EA	Wireguard For Contour Series Lithonia Flood Light	103.22	24.76
26 56 36 00-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	187.06	24.76
26 56 36 00-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	87.40	24.76
26 56 36 00-0103	EA	Full Visor For Contour Series Lithonia Flood Light	113.02	24.76
26 56 36 00-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	262.47	74.30
26 56 36 00-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	217.13	74.30
26 56 36 00-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	217.13	74.30
26 56 36 00-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	235.21	74.30
26 56 36 00-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	99.33	24.76
26 56 36 00-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	81.96	24.76
26 56 36 00-0110		**Ruud Flood Lights** *(26 56 36)*		
26 56 36 00-0111		**NS (Micro) Series Ruud Flood Lights** *(26 56 36 00-0110)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0113	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	282.31	74.30
26 56 36 00-0114	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	282.31	74.30
26 56 36 00-0115	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	282.31	74.30
26 56 36 00-0116	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	282.31	74.30
26 56 36 00-0117	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	282.31	74.30
26 56 36 00-0118		**Metal Halide NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0119	EA	50 Watt Metal Halide NS Series Ruud Flood Light	315.45	74.30
26 56 36 00-0120	EA	70 Watt Metal Halide NS Series Ruud Flood Light	315.45	74.30
26 56 36 00-0121	EA	100 Watt Metal Halide NS Series Ruud Flood Light	315.45	74.30
26 56 36 00-0122		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 56 36 00-0111)*		
26 56 36 00-0123	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	248.00	74.30
26 56 36 00-0124	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	256.28	74.30
26 56 36 00-0125	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	258.65	74.30
26 56 36 00-0126	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	261.01	74.30
26 56 36 00-0127		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 56 36 00-0110)*		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0129	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	433.54	111.44
26 56 36 00-0130	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	454.84	111.44
26 56 36 00-0131	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	466.67	111.44
26 56 36 00-0132		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0133	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	428.80	111.44
26 56 36 00-0134	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	431.17	111.44
26 56 36 00-0135	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	438.27	111.44
26 56 36 00-0136		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 56 36 00-0127)*		
26 56 36 00-0137	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	420.52	111.44
26 56 36 00-0138		**FS (Square) Series Ruud Flood Lights** *(26 56 36 00-0110)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 56 36 00-0138)*		
26 56 36 00-0140	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	496.26	111.44
26 56 36 00-0141	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	498.62	111.44
26 56 36 00-0142	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	809.77	123.83
26 56 36 00-0143		**Metal Halide FS Series Ruud Flood Lights** *(26 56 36 00-0138)*		
26 56 36 00-0144	EA	175 Watt Metal Halide FS Series Ruud Flood Light	496.26	111.44
26 56 36 00-0145	EA	250 Watt Metal Halide FS Series Ruud Flood Light	498.62	111.44
26 56 36 00-0146	EA	400 Watt Metal Halide FS Series Ruud Flood Light	505.72	111.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0147	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	731.66	123.83
26 56 36 00-0148		**MFS (Mini Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 56 36 00-0148)*		
26 56 36 00-0150	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	395.75	99.06
26 56 36 00-0151	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	420.60	99.06
26 56 36 00-0152	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	420.60	99.06
26 56 36 00-0153	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	420.60	99.06
26 56 36 00-0154	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	420.60	99.06
26 56 36 00-0155		**Metal Halide MFS Series Ruud Flood Lights** *(26 56 36 00-0148)*		
26 56 36 00-0156	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	428.88	99.06
26 56 36 00-0157	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	428.88	99.06
26 56 36 00-0158	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	428.88	99.06
26 56 36 00-0159	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	415.87	99.06
26 56 36 00-0160		**MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161		**High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights** *(26 56 36 00-0160)*		
26 56 36 00-0162	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	425.33	99.06
26 56 36 00-0163	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	450.18	99.06
26 56 36 00-0164	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	450.18	99.06
26 56 36 00-0165	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	450.18	99.06
26 56 36 00-0166	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	450.18	99.06
26 56 36 00-0167		**Metal Halide MCF/MPM/MPN Series Ruud Flood Lights** *(26 56 36 00-0160)*		
26 56 36 00-0168	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	458.47	99.06
26 56 36 00-0169	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	458.47	99.06
26 56 36 00-0170	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	458.47	99.06
26 56 36 00-0171	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	445.45	99.06
26 56 36 00-0172		**CF (Cutoff Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173		**High Pressure Sodium CF Series Ruud Flood Lights** *(26 56 36 00-0172)*		
26 56 36 00-0174	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	551.88	111.44
26 56 36 00-0175	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	563.71	111.44
26 56 36 00-0176	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	839.35	123.83
26 56 36 00-0177		**Metal Halide CF Series Ruud Flood Lights** *(26 56 36 00-0172)*		
26 56 36 00-0178	EA	175 Watt Metal Halide CF Series Ruud Flood Light	525.84	111.44
26 56 36 00-0179	EA	250 Watt Metal Halide CF Series Ruud Flood Light	528.21	111.44
26 56 36 00-0180	EA	400 Watt Metal Halide CF Series Ruud Flood Light	535.31	111.44
26 56 36 00-0181	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	761.25	123.83
26 56 36 00-0182		**CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183		**High Pressure Sodium CN Series Ruud Flood Lights** *(26 56 36 00-0182)*		
26 56 36 00-0184	EA	400 High Pressure Sodium CN Series Ruud Flood Light	702.08	123.83
26 56 36 00-0185	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	825.15	123.83
26 56 36 00-0186		**Metal Halide CN Series Ruud Flood Lights** *(26 56 36 00-0182)*		
26 56 36 00-0187	EA	400 Watt Metal Halide CN Series Ruud Flood Light	673.67	123.83
26 56 36 00-0188	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	747.04	123.83
26 56 36 00-0189		**PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights** *(26 56 36 00-0110)* Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190		**High Pressure Sodium PM/PN Series Ruud Flood Lights** *(26 56 36 00-0189)*		
26 56 36 00-0191	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	568.44	111.44
26 56 36 00-0192	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	580.28	111.44
26 56 36 00-0193		**Metal Halide PM/PN Series Ruud Flood Lights** *(26 56 36 00-0189)*		
26 56 36 00-0194	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	542.41	111.44
26 56 36 00-0195	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	544.77	111.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0196	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	551.88	111.44
26 56 36 00-0197	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	777.81	123.83
26 56 36 00-0198		Accessories For Ruud Flood Lighting *(26 56 36 00-0110)*		
26 56 36 00-0199	EA	Wireguard For Rudd Flood Light	67.28	24.76
26 56 36 00-0200	EA	Deep Baffle (Full Visor) For Rudd Flood Light	99.23	24.76
26 56 36 00-0201	EA	Glare Guard (Upper Visor) For Rudd Flood Light	75.56	24.76
26 56 36 00-0202	EA	Vandal Shield For Rudd Flood Light	87.40	24.76
26 56 36 00-0203	EA	Pipe Mounting Bracket For Ruud Flood Light	188.83	74.30
26 56 36 00-0204	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	60.18	24.76
26 56 36 00-0205		Lumark Flood Lights *(26 56 36)*		
26 56 36 00-0206		QZ Wedge Series Quartz Lumark Flood Lights *(26 56 36 00-0205)* Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	172.79	74.30
26 56 36 00-0208		LQL Series Quartz Lumark Flood Lights *(26 56 36 00-0205)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	207.70	74.30
26 56 36 00-0210		Kim Lighting *(26 56 36)*		
26 56 36 00-0211		MicroFlood® Series Kim Lighting Flood Lights *(26 56 36 00-0210)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212		LED MicroFlood® Series Kim Lighting Flood Lights *(26 56 36 00-0211)*		
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light	296.18	31.61
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light	361.84	31.61
26 56 36 00-0215		Scarab® Series Kim Lighting Flood Lights *(26 56 36 00-0210)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216		LED Scarab® Series Kim Lighting Accent Flood Lights *(26 56 36 00-0215)* Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	442.61	31.61
26 56 36 00-0218		CREE® BetaLED® Flood Lights *(26 56 36)*		
26 56 36 00-0219		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) *(26 56 36 00-0218)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	754.53	89.57
26 56 36 00-0221	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	825.38	94.54
26 56 36 00-0222		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 56 36 00-0218)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	657.43	84.59
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0224	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	821.73	89.57
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0225	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	986.03	94.54
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0226	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,212.29	99.51
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0227	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,376.58	104.50
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0228	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,540.89	109.47
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0229	EA	140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,754.54	114.44
		For 347-480 Volt, Add	*55.20*	
26 56 36 00-0230	EA	160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,918.85	119.42
		For 347-480 Volt, Add	*55.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0231		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0232	EA	120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,478.94	109.47
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*30.46*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.02*	
26 56 36 00-0233	EA	240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,490.93	134.35
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Bird Spikes, Add	*44.66*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.02*	
		For 480 Volt, Add	*111.45*	
26 56 36 00-0234		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 56 36 00-0218)*		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0235	EA	112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified)	882.10	109.47
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Front Facing Optics, Back Light Shield, Add	*23.95*	
		For Rotated Optics, Back Light Shield, Add	*23.95*	
		For Field Adjustable Output, Add	*18.58*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*80.49*	
26 56 36 00-0236	EA	168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified)	940.62	109.47
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Front Facing Optics, Back Light Shield, Add	*23.95*	
		For Rotated Optics, Back Light Shield, Add	*23.95*	
		For Field Adjustable Output, Add	*18.58*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Type II Medium Or Type V Short Optics, Add	*93.65*	
		For Multi-Level, Add	*80.49*	
26 56 36 00-0237	EA	223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified)	1,204.92	134.35
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Front Facing Optics, Back Light Shield, Add	*29.04*	
		For Rotated Optics, Back Light Shield, Add	*29.04*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*80.49*	
26 56 36 00-0238		PlanLED Flood Lights *(26 56 36)*		
26 56 36 00-0239		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 56 36 00-0238)*		
26 56 36 00-0240	EA	6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	391.35	89.57
26 56 36 00-0241	EA	9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	461.16	94.54
26 56 36 00-0242	EA	12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	528.33	102.01
26 56 36 00-0243		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 56 36 00-0238)*		
26 56 36 00-0244	EA	21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200)	1,067.39	199.04
		For 0 To 10 Volt Dimming, Add	*46.65*	
26 56 36 00-0245	EA	42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400)	1,595.23	199.04
		For 0 To 10 Volt Dimming, Add	*46.65*	
26 56 36 00-0246	EA	84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800)	2,731.44	199.04
		For 0 To 10 Volt Dimming, Add	*46.65*	
26 56 36 00-0247		Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 56 36 00-0238)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0248	EA	26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	919.36	129.38
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*-18.43*	
26 56 36 00-0249	EA	39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,160.04	134.35
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*56.28*	
26 56 36 00-0250	EA	52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	1,462.75	139.32
		For 0 To 10 Volt Dimming, Add	*46.65*	
		For 347-480 Volt, Add	*45.22*	

END OF SECTION 26

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.		598.07	92.31
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.		773.49	123.11
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.		1,214.44	184.62
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit		7.26	1.35
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)		57.30	24.39
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar		166.46	24.39
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar		196.78	24.39
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap		41.65	4.52
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug		16.28	4.52
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug		17.17	4.52
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block		18.83	4.52

27 05 29 Hangers And Supports For Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)		6.32	2.26
		For >50 To 100, Deduct	*-0.27*		
		For >100 To 250, Deduct	*-0.54*		
		For >250 To 500, Deduct	*-1.04*		
		For >500, Deduct	*-1.54*		
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*		
		For Work In Restricted Working Space, Add	*1.36*		
		For Painted Powder Coated Finish, Add	*0.37*		
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)		6.60	2.26
		For >50 To 100, Deduct	*-0.28*		
		For >100 To 250, Deduct	*-0.56*		
		For >250 To 500, Deduct	*-1.06*		
		For >500, Deduct	*-1.56*		
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*		
		For Work In Restricted Working Space, Add	*1.36*		
		For Painted Powder Coated Finish, Add	*1.28*		
		For Low Friction Xylan® Coated Finish, Add	*4.58*		
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)		7.03	2.26
		For >50 To 100, Deduct	*-0.29*		
		For >100 To 250, Deduct	*-0.58*		
		For >250 To 500, Deduct	*-1.09*		
		For >500, Deduct	*-1.61*		
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*		
		For Work In Restricted Working Space, Add	*1.36*		
		For Painted Powder Coated Finish, Add	*1.58*		
		For Low Friction Xylan® Coated Finish, Add	*5.69*		
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)		10.78	2.26
		For >50 To 100, Deduct	*-0.38*		
		For >100 To 250, Deduct	*-0.77*		
		For >250 To 500, Deduct	*-1.37*		
		For >500, Deduct	*-1.98*		
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*		
		For Work In Restricted Working Space, Add	*1.36*		
		For Painted Powder Coated Finish, Add	*0.84*		
		For Low Friction Xylan® Coated Finish, Add	*5.04*		

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)		6.98	2.26
		For >50 To 100, Deduct	*-0.29*		
		For >100 To 250, Deduct	*-0.58*		
		For >250 To 500, Deduct	*-1.09*		
		For >500, Deduct	*-1.60*		
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*		
		For Work In Restricted Working Space, Add	*1.36*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	8.66	2.26
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.77*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	9.48	2.26
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	12.42	2.26
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.15*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
		For Work In Restricted Working Space, Add	*1.36*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.29	2.26
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	8.42	2.26
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.75*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	9.00	2.26
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	11.77	2.26
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*1.36*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.52	2.26
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	10.42	2.26
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	10.92	2.26
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021		**Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	7.14	2.26
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	7.40	2.26
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	8.72	2.26
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0025		**Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	8.57	2.26
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	9.18	2.26
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	12.25	2.26
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-2.13*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0029		**Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	8.48	2.26
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.75*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	9.58	2.26
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	10.16	2.26
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*1.36*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	13.36	2.26
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034		Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*		
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.09	2.98
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.11*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.36*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.50	2.98
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-4.15*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.64	2.98
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-4.37*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.02	2.98
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.85*	
		For >500, Deduct	*-4.11*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.01	2.98
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.99	2.98
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-4.30*	
		For Work In Restricted Working Space, Add	*2.71*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.68	2.98
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*2.71*	

27 05 33 Conduits And Backboxes For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures *(27 11)*

27 11 16 00-0001		3/4" Fire Retardant Plywood Backboards *(27 11 16)*		
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	67.14	23.45
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*43.67*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	134.27	46.90
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*87.34*	
27 11 16 00-0004		Terminal Cabinets *(27 11 16)*		
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	239.61	67.64

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	297.85	74.40
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	342.75	85.68
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	355.48	87.93
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	427.08	90.19
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	524.26	101.46
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	534.64	99.20
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	692.72	141.32
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	742.87	155.30
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	887.17	164.05
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	732.63	135.28
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	792.42	146.55
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	990.21	187.86
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,193.09	234.84
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,337.98	232.23
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,543.73	282.55

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	439.49	144.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*7.55*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	604.41	153.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*14.89*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	652.53	162.33
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*16.39*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	564.58	126.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*15.60*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	615.84	128.51
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.94*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	615.32	130.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.69*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	631.00	133.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.25*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	646.51	135.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	663.28	137.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.41*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	567.77	139.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*14.41*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	695.87	142.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.59*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	720.18	144.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.58*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	741.44	146.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.42*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	746.79	148.81
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.46*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	596.60	126.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.20*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	617.03	128.51
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.00*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	635.04	130.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.68*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	668.50	133.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.12*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	685.12	135.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.73*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	703.16	137.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.40*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	608.12	139.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*16.43*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	738.20	142.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.71*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	764.51	144.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.80*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	787.52	146.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	792.95	148.81
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.77*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	739.40	135.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.44*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	778.33	139.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.94*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	595.79	126.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.16*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	643.16	128.51
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.31*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	653.04	130.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.58*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	667.52	133.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.07*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	684.09	135.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.68*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	702.09	137.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.35*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	719.39	139.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.99*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	737.07	142.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	763.35	144.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.74*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	786.30	146.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.66*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	791.67	148.81
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.70*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	631.04	126.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.93*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	690.97	128.51
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.70*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	699.84	130.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.92*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	708.74	133.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.13*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	726.56	135.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.80*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	745.98	137.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.55*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	764.57	139.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.25*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	783.60	142.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.98*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	812.09	144.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.18*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	836.97	146.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.19*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	842.56	148.81
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,200.86	225.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*37.50*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,309.91	234.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*42.05*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,412.83	243.50
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*46.29*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,233.85	225.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*39.15*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	69.08	9.02
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	76.82	9.02
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	57.82	9.02
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	70.24	9.02
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	82.23	9.02
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	63.94	9.02
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	94.39	9.02
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	107.32	9.02
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	76.18	9.02
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	85.58	9.02
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	95.78	9.02
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	90.00	9.02
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	104.61	9.02
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	116.19	9.02
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	130.01	9.02
27 11 16 00-0108		Vertical Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0109		Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	154.05	13.53
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	216.78	13.53
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	348.36	13.53
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	394.26	13.53
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	164.76	13.53
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	233.61	13.53
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	378.96	13.53
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	424.86	13.53
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	186.18	13.53
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	256.56	13.53
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	424.86	13.53
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	470.76	13.53
27 11 16 00-0122		Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	222.90	13.53
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	262.68	13.53
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	424.86	13.53
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	501.36	13.53
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	241.26	13.53
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	281.04	13.53
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	455.46	13.53
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	531.96	13.53
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	265.74	13.53
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	305.52	13.53
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	501.36	13.53
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	577.86	13.53
27 11 16 00-0135		Accessories For Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	94.54	9.02
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	100.66	9.02
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	106.78	9.02
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	97.60	9.02
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	106.78	9.02
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	115.96	9.02
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	109.84	9.02
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	119.02	9.02
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	128.20	9.02
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	115.96	9.02
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	128.20	9.02
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	137.38	9.02
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	79.24	9.02
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	91.48	9.02
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	95.61	9.02
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	60.88	9.02

27 11 19 Communications Termination Blocks And Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

27 11 19 00-0001		Computer Network Components *(27 11 19)*		
27 11 19 00-0002		Ethernet Patch Panels *(27 11 19 00-0001)*		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	182.98	45.09
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	262.14	45.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	337.05	45.09
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	406.85	45.09
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	509.91	56.37
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	744.78	67.64
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	217.88	45.09
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	267.25	45.09
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	444.31	45.09
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	816.28	67.64
27 11 19 00-0013	EA	Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	31.96	
27 11 19 00-0014	EA	>5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	26.62	
27 11 19 00-0015	EA	>10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	15.97	
27 11 19 00-0016	EA	Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires	8.79	
27 11 19 00-0017	EA	>20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires	7.33	
27 11 19 00-0018	EA	>40 Pairs, Terminate One End Of A Twisted Pair Of Wires	4.39	
27 11 19 00-0019		Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*		
27 11 19 00-0020		Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*		
27 11 19 00-0021		Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0020)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	97.47	20.29
27 11 19 00-0023	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	141.74	20.29
27 11 19 00-0024	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	207.25	20.29
27 11 19 00-0025	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	307.25	33.82
27 11 19 00-0026	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	423.88	33.82
27 11 19 00-0027		Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0020)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	319.20	33.82
27 11 19 00-0029	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	363.67	33.82
27 11 19 00-0030	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	390.87	33.82
27 11 19 00-0031	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	456.59	33.82
27 11 19 00-0032		Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0020)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	395.41	33.82
		For Splice Tray Bracket, Add	*41.13*	
27 11 19 00-0034	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	461.56	33.82
		For Splice Tray Bracket, Add	*44.98*	
27 11 19 00-0035	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	573.02	33.82
		For Splice Tray Bracket, Add	*163.87*	
27 11 19 00-0036		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0020)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	499.18	33.82
27 11 19 00-0038	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	635.55	33.82
27 11 19 00-0039	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	718.23	33.82
27 11 19 00-0040	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	929.07	33.82
27 11 19 00-0041		Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0020)* Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	442.85	20.29
27 11 19 00-0043	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	614.24	33.82
27 11 19 00-0044	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	644.10	33.82
27 11 19 00-0045		Wall Mount, Fiber Optic Cable Environmental Connector Housings *(27 11 19 00-0020)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	463.49	20.29
27 11 19 00-0047	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	613.88	33.82
27 11 19 00-0048	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	719.52	33.82
27 11 19 00-0049		Fiber Optic Cable Connector Panels *(27 11 19 00-0019)*		
27 11 19 00-0050		SC Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0051	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	61.45	4.51
27 11 19 00-0052	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	66.57	4.51
27 11 19 00-0053	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	74.53	4.51
27 11 19 00-0054	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	81.36	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0055	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	100.71	4.51
27 11 19 00-0056	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	110.93	4.51
27 11 19 00-0057		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		
27 11 19 00-0058	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	59.18	4.51
27 11 19 00-0059	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	60.38	4.51
27 11 19 00-0060	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	71.52	4.51
27 11 19 00-0061	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	73.12	4.51
27 11 19 00-0062	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	96.20	4.51
27 11 19 00-0063	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	98.58	4.51
27 11 19 00-0064		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		
27 11 19 00-0065	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	63.80	4.51
27 11 19 00-0066	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	69.84	4.51
27 11 19 00-0067	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	77.67	4.51
27 11 19 00-0068	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	85.73	4.51
27 11 19 00-0069	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	105.43	4.51
27 11 19 00-0070	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	117.49	4.51
27 11 19 00-0071	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	133.18	4.51
27 11 19 00-0072	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	149.26	4.51
27 11 19 00-0073	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	188.66	4.51
27 11 19 00-0074	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	194.27	4.51
27 11 19 00-0075		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		
27 11 19 00-0076	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	51.30	4.51
27 11 19 00-0077	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	55.17	4.51
27 11 19 00-0078	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	61.00	4.51
27 11 19 00-0079	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	66.18	4.51
27 11 19 00-0080	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	80.40	4.51
27 11 19 00-0081	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	88.17	4.51
27 11 19 00-0082		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		
27 11 19 00-0083	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	63.44	4.51
27 11 19 00-0084	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	94.27	4.51
27 11 19 00-0085		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0049)*		
27 11 19 00-0086	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	536.23	4.51
27 11 19 00-0087	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	538.09	4.51
27 11 19 00-0088		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0019)*		
27 11 19 00-0089		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	227.53	45.09
27 11 19 00-0091		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	330.74	33.82
27 11 19 00-0093	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	335.55	33.82
27 11 19 00-0094		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0088)*		
27 11 19 00-0095	EA	Fiber Optic Cable Splice Tray	64.57	11.27
27 11 19 00-0096		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0019)* Note: Includes mounting hardware.		
27 11 19 00-0097	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	129.04	33.82
27 11 19 00-0098		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0099	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	47.46	
27 11 19 00-0100	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	62.77	
27 11 19 00-0101	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	68.83	
27 11 19 00-0102	EA	Wall Mount Bracket For 96 Port Patch Panel	76.83	
27 11 19 00-0103	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	298.93	45.09
27 11 19 00-0104		**Telephone Components** *(27 11 19)*		
27 11 19 00-0105		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0104)*		
27 11 19 00-0106	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	24.33	9.03
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG	41.46	9.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0108	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG	34.45	9.03
27 11 19 00-0109	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	19.58	9.03
27 11 19 00-0110	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	13.95	6.32
27 11 19 00-0111	EA	Ground Terminal Block With Wire Range 22-8 AWG	25.07	9.03
27 11 19 00-0112	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	19.58	9.03
27 11 19 00-0113	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG	13.84	6.32
27 11 19 00-0114	EA	Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	13.76	6.32
27 11 19 00-0115	EA	Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	14.10	6.32
27 11 19 00-0116		**Terminal Block Mounting Channel** *(27 11 19 00-0104)*		
27 11 19 00-0117	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	12.70	4.52
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	15.71	4.52
27 11 19 00-0119	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	20.93	4.52
27 11 19 00-0120	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	15.89	5.42
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	20.85	5.42
27 11 19 00-0122	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	28.86	5.42
27 11 19 00-0123		**Outlet Termination Hardware** *(27 11 19 00-0104)*		
27 11 19 00-0124	EA	Telephone Outlet Blocks	21.98	4.52
27 11 19 00-0125	EA	Phone Outlet Block For Floor Box Note: Excludes box.	73.93	34.27
27 11 19 00-0126	EA	Fiber Optic "SC" Type Modular Bulkhead	59.15	20.29
27 11 19 00-0127	EA	Fiber Optic "ST" Type Modular Bulkhead	59.15	20.29
27 11 19 00-0128	EA	Type "F" Coaxial Connector Male	35.57	13.53
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	84.54	22.55
27 11 19 00-0130	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	84.54	22.55
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	99.24	22.55
27 11 19 00-0132	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	99.24	22.55
27 11 19 00-0133	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	91.51	22.55
27 11 19 00-0134	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	745.34	112.73
27 11 19 00-0135	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	40.42	9.02
27 11 19 00-0136	EA	Connecting Block, 5-Pair	2.54	0.90
27 11 19 00-0137	EA	Connecting Block, 4-Pair	2.70	0.90
27 11 19 00-0138	EA	Plastic Label Holder, Transparent	10.41	2.25
27 11 19 00-0139	EA	Marked Label, White, 5-Pair	2.95	
27 11 19 00-0140	EA	Marked Label, Blue, 4-Pair	2.95	
27 11 19 00-0141		**Terminations in Manhole or Junction Box** *(27 11 19 00-0104)*		
27 11 19 00-0142	EA	25 Pair Cable Termination In Manhole Or Junction Box	144.30	
27 11 19 00-0143	EA	50 Pair Cable Termination In Manhole Or Junction Box	288.59	
27 11 19 00-0144	EA	100 Pair Cable Termination In Manhole Or Junction Box	577.18	
27 11 19 00-0145	EA	150 Pair Cable Termination In Manhole Or Junction Box	865.77	
27 11 19 00-0146	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,012.77	
27 11 19 00-0147	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,518.71	
27 11 19 00-0148	EA	400 Pair Cable Termination In Manhole Or Junction Box	1,910.11	
27 11 19 00-0149	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,388.08	
27 11 19 00-0150	EA	750 Pair Cable Termination In Manhole Or Junction Box	3,582.11	
27 11 19 00-0151	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	4,344.15	
27 11 19 00-0152	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	4,951.17	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing	15,975.13	710.63
27 11 23 00-0003	EA	DVR Enclosure	1,197.52	177.64
27 11 23 00-0004	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	4,249.86	355.28
27 11 23 00-0005	EA	Panel, NEMA 12/27.00x21.00	343.61	88.82
27 11 23 00-0006	EA	Panel, NEMA 12/8.75x6.88	104.99	88.82
27 11 23 00-0007	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304	130.86	88.82
27 11 23 00-0008	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	3,628.12	88.82
27 11 23 00-0009	EA	12" x 5'-11" Tubular Runway	76.34	21.64
27 11 23 00-0010	EA	12" x 9'-11" Tubular Runway	131.77	36.07
27 11 23 00-0011	EA	Shelf Bracket Support For Tubular Runway	24.28	6.76
27 11 23 00-0012	EA	Straight Clamp Hardware For Tubular Runway	11.24	4.51
27 11 23 00-0013	EA	Corner Clamp Hardware For Tubular Runway	11.79	4.51
27 11 23 00-0014	EA	90 Degree Edge Clamp Hardware For Tubular Runway	25.87	8.12
27 11 23 00-0015	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	53.12	13.53
27 11 23 00-0016	EA	J-Bolt Hardware For Tubular Runway	5.18	1.98
27 11 23 00-0017	EA	T Bracket Hardware For Tubular Runway	28.37	11.27
27 11 23 00-0018	EA	110 Jumper Trough (Commscope 107831133)	25.52	4.51
27 11 23 00-0019	LF	Velcro CMP	2.11	0.90

27 14 Communications Cabling *(27 10)*

27 14 13 Communications Copper Cabling *(27 14)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13		**Communications Copper Cable Splicing and Terminations** *(27 14 13)*		
27 14 13 13-0001		Building Entrance Terminals *(27 14 13 13)*		
27 14 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,298.90	197.88
27 14 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,798.19	329.79
27 14 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,610.47	528.08
27 14 13 13-0005		Modular Plugs For Copper Communications Cable *(27 14 13 13)*		
27 14 13 13-0006	EA	Modular Plug For Non-Shielded Copper Communications Cable	20.10	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	*-2.70*	
		For >10, Deduct	*-5.40*	
27 14 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable	22.79	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	*-3.04*	
		For >10, Deduct	*-6.08*	
27 14 13 13-0008		Testing And Certification Of Copper Communications Cable *(27 14 13 13)*		
		Note: Use for existing systems.		
27 14 13 13-0009	PR	Test 1-Pair Of A Copper Communications Cable For Continuity	4.51	
		For >25-Pair, Deduct	*-1.80*	
27 14 13 13-0010	PR	Certify 1-Pair Of A Copper Communications Cable	6.76	
		For >25-Pair, Deduct	*-2.70*	
27 14 13 13-0011	PR	Certify And Document 1-Pair Of A Copper Communications Cable	10.82	
		For >25-Pair, Deduct	*-4.32*	
27 14 13 13-0012	PR	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	18.04	
		For >25-Pair, Deduct	*-7.20*	
27 14 13 13-0013	PR	Certify 4-Pair Cat 5-7 Telecommunications Cable	27.06	
		For >25-Pair, Deduct	*-10.80*	
27 14 13 13-0014	PR	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	43.29	
		For >25-Pair, Deduct	*-17.28*	
27 14 13 13-0015		Communications Termination Blocks *(27 14 13 13)*		
27 14 13 13-0016	EA	100-Pair, 110 Block With Legs	38.52	11.27
27 14 13 13-0017	EA	300-Pair, 110 Block With Legs	61.75	11.27
27 14 13 13-0018	EA	Clear Label Holder For 110 Wiring Block	9.47	4.51
27 14 13 13-0019	EA	4-Pair, 110C Connecting Block	5.21	2.25
27 14 13 13-0020	EA	5-Pair, 110C Connecting Block	5.30	2.25
27 14 13 13-0021	EA	100-Pair, 110 Jack Panel System	187.10	13.53
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0022	EA	300-Pair, 110 Jack Panel System	433.67	13.53
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 16		**Communications Copper Cabling** *(27 14 13)*		
27 14 13 16-0001		Solid Conductor Low Voltage Cable *(27 14 13 16)*		
27 14 13 16-0002		Shielded, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0001)*		
27 14 13 16-0003		#12 AWG, Shielded, Low Voltage Cable, Placed In Conduit *(27 14 13 16-0002)*		
27 14 13 16-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,845.01	816.24
		For #10 AWG, Add	*431.99*	
		For Installation On Exposed Surface, Deduct	*-272.10*	
27 14 13 16-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,302.97	845.10
		For #10 AWG, Add	*576.82*	
		For Installation On Exposed Surface, Deduct	*-281.78*	
27 14 13 16-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,703.17	874.78
		For #10 AWG, Add	*702.57*	
		For Installation On Exposed Surface, Deduct	*-291.51*	
27 14 13 16-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,127.18	904.46
		For #10 AWG, Add	*835.95*	
		For Installation On Exposed Surface, Deduct	*-301.58*	
27 14 13 16-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,580.42	965.47
		For #10 AWG, Add	*972.29*	
		For Installation On Exposed Surface, Deduct	*-321.92*	
27 14 13 16-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,992.45	1,025.65
		For #10 AWG, Add	*1,095.23*	
		For Installation On Exposed Surface, Deduct	*-341.97*	
27 14 13 16-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,316.13	1,147.68
		For #10 AWG, Add	*1,175.71*	
		For Installation On Exposed Surface, Deduct	*-382.49*	
27 14 13 16-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,725.96	1,512.92
		For #10 AWG, Add	*1,561.83*	
		For Installation On Exposed Surface, Deduct	*-504.21*	
27 14 13 16-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	8,530.31	2,234.34
		For #10 AWG, Add	*2,331.02*	
		For Installation On Exposed Surface, Deduct	*-744.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0013		**#14 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0002)*		
27 14 13 16-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,652.66	714.00
		For Installation On Exposed Surface, Deduct	*-237.95*	
27 14 13 16-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,086.85	739.56
		For Installation On Exposed Surface, Deduct	*-246.52*	
27 14 13 16-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,465.63	765.12
		For Installation On Exposed Surface, Deduct	*-255.09*	
27 14 13 16-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,866.36	791.50
		For Installation On Exposed Surface, Deduct	*-263.83*	
27 14 13 16-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,291.29	845.10
		For Installation On Exposed Surface, Deduct	*-281.64*	
27 14 13 16-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,676.53	897.86
		For Installation On Exposed Surface, Deduct	*-299.12*	
27 14 13 16-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,970.33	1,004.21
		For Installation On Exposed Surface, Deduct	*-334.74*	
27 14 13 16-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,267.67	1,323.28
		For Installation On Exposed Surface, Deduct	*-441.10*	
27 14 13 16-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,851.63	1,954.84
		For Installation On Exposed Surface, Deduct	*-651.67*	
27 14 13 16-0023		**#16 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0002)*		
27 14 13 16-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,470.40	637.32
		For Installation On Exposed Surface, Deduct	*-212.55*	
27 14 13 16-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,754.82	660.41
		For Installation On Exposed Surface, Deduct	*-220.14*	
27 14 13 16-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,186.66	683.49
		For Installation On Exposed Surface, Deduct	*-227.72*	
27 14 13 16-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,540.64	706.58
		For Installation On Exposed Surface, Deduct	*-235.64*	
27 14 13 16-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,915.57	754.40
		For Installation On Exposed Surface, Deduct	*-251.47*	
27 14 13 16-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,256.18	801.39
		For Installation On Exposed Surface, Deduct	*-267.13*	
27 14 13 16-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,386.28	849.22
		For Installation On Exposed Surface, Deduct	*-282.96*	
27 14 13 16-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,517.20	897.04
		For Installation On Exposed Surface, Deduct	*-298.96*	
27 14 13 16-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,949.09	953.92
		For Installation On Exposed Surface, Deduct	*-317.92*	
27 14 13 16-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,665.84	1,181.48
		For Installation On Exposed Surface, Deduct	*-393.85*	
27 14 13 16-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	6,954.03	1,745.42
		For Installation On Exposed Surface, Deduct	*-581.84*	
27 14 13 16-0035		**#18 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0002)*		
27 14 13 16-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,222.80	561.47
		For Installation On Exposed Surface, Deduct	*-186.99*	
27 14 13 16-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,499.93	581.26
		For Installation On Exposed Surface, Deduct	*-193.75*	
27 14 13 16-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,742.59	601.05
		For Installation On Exposed Surface, Deduct	*-200.51*	
27 14 13 16-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,998.39	621.66
		For Installation On Exposed Surface, Deduct	*-207.27*	
27 14 13 16-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,277.32	663.71
		For Installation On Exposed Surface, Deduct	*-221.29*	
27 14 13 16-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,531.78	704.93
		For Installation On Exposed Surface, Deduct	*-235.14*	
27 14 13 16-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,743.07	789.02
		For Installation On Exposed Surface, Deduct	*-263.01*	
27 14 13 16-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,637.07	1,039.67
		For Installation On Exposed Surface, Deduct	*-346.61*	
27 14 13 16-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,416.05	1,536.01
		For Installation On Exposed Surface, Deduct	*-512.00*	
27 14 13 16-0045		**#20 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0002)*		
27 14 13 16-0046	MLF	1 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,071.24	510.36
		For Installation On Exposed Surface, Deduct	*-170.01*	
27 14 13 16-0047	MLF	2 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,289.94	528.49
		For Installation On Exposed Surface, Deduct	*-176.11*	
27 14 13 16-0048	MLF	3 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,479.74	547.04
		For Installation On Exposed Surface, Deduct	*-182.21*	
27 14 13 16-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,679.64	565.60
		For Installation On Exposed Surface, Deduct	*-188.48*	
27 14 13 16-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,905.24	603.52
		For Installation On Exposed Surface, Deduct	*-201.09*	
27 14 13 16-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,110.63	641.44
		For Installation On Exposed Surface, Deduct	*-213.70*	
27 14 13 16-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,308.86	717.29
		For Installation On Exposed Surface, Deduct	*-239.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,038.79	945.67
		For Installation On Exposed Surface, Deduct	*-315.12*	
27 14 13 16-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,522.31	1,396.67
		For Installation On Exposed Surface, Deduct	*-465.50*	
27 14 13 16-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,825.24	1,429.65
		For Installation On Exposed Surface, Deduct	*-476.55*	
27 14 13 16-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,767.30	1,664.62
		For Installation On Exposed Surface, Deduct	*-554.88*	
27 14 13 16-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	6,189.73	1,781.70
		For Installation On Exposed Surface, Deduct	*-593.95*	
27 14 13 16-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,357.51	2,226.92
		For Installation On Exposed Surface, Deduct	*-742.19*	
27 14 13 16-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	10,046.05	2,931.85
		For Installation On Exposed Surface, Deduct	*-977.17*	
27 14 13 16-0060		**#22 AWG, Shielded, Low Voltage Cable, Placed In Conduit** *(27 14 13 16-0002)*		
27 14 13 16-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	880.84	459.23
		For Installation On Exposed Surface, Deduct	*-153.02*	
27 14 13 16-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	950.67	475.72
		For Installation On Exposed Surface, Deduct	*-158.46*	
27 14 13 16-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,037.59	492.21
		For Installation On Exposed Surface, Deduct	*-164.07*	
27 14 13 16-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,132.60	508.70
		For Installation On Exposed Surface, Deduct	*-169.68*	
27 14 13 16-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,269.88	543.33
		For Installation On Exposed Surface, Deduct	*-181.06*	
27 14 13 16-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,409.47	575.49
		For Installation On Exposed Surface, Deduct	*-191.94*	
27 14 13 16-0067		**Triad** *(27 14 13 16-0002)*		
27 14 13 16-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit	1,991.51	683.49
27 14 13 16-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	2,601.21	945.67
27 14 13 16-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	4,054.88	1,396.67
27 14 13 16-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	5,041.57	1,664.62
27 14 13 16-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	8,238.60	2,578.97
27 14 13 16-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	9,474.20	2,931.85
27 14 13 16-0074		**Shielded, Low Voltage Cable Buried In Trench** *(27 14 13 16-0001)*		
		Note: Excludes excavation.		
27 14 13 16-0075	MLF	1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,535.75	
27 14 13 16-0076	MLF	2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,964.73	
27 14 13 16-0077	MLF	3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,339.26	
27 14 13 16-0078	MLF	4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,736.33	
27 14 13 16-0079	MLF	5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,152.04	
27 14 13 16-0080	MLF	6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,529.15	
27 14 13 16-0081		**Shielded, Low Voltage Cable Installed On Poles, Aerially** *(27 14 13 16-0001)*		
27 14 13 16-0082	MLF	1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,610.30	438.37
27 14 13 16-0083	MLF	2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,083.58	469.64
27 14 13 16-0084	MLF	3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,744.16	593.73
27 14 13 16-0085	MLF	4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,344.64	686.72
27 14 13 16-0086	MLF	5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	4,803.25	782.71
27 14 13 16-0087	MLF	6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,807.63	999.97
27 14 13 16-0088		**Non-Shielded Low Voltage Cable Pulled In Conduit** *(27 14 13 16-0001)*		
27 14 13 16-0089		**#14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0088)*		
27 14 13 16-0090	MLF	1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,656.51	714.00
		For Installation On Exposed Surface, Deduct	*-237.94*	
27 14 13 16-0091	MLF	2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,093.99	739.56
		For Installation On Exposed Surface, Deduct	*-246.52*	
27 14 13 16-0092	MLF	3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,475.56	765.12
		For Installation On Exposed Surface, Deduct	*-255.09*	
27 14 13 16-0093	MLF	4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,879.28	791.50
		For Installation On Exposed Surface, Deduct	*-263.83*	
27 14 13 16-0094	MLF	5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,305.36	844.26
		For Installation On Exposed Surface, Deduct	*-281.31*	
27 14 13 16-0095	MLF	6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,693.91	897.04
		For Installation On Exposed Surface, Deduct	*-298.96*	
27 14 13 16-0096	MLF	8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,989.49	1,004.21
		For Installation On Exposed Surface, Deduct	*-334.74*	
27 14 13 16-0097	MLF	12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,293.23	1,323.28
		For Installation On Exposed Surface, Deduct	*-441.10*	
27 14 13 16-0098	MLF	24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,889.96	1,954.84
		For Installation On Exposed Surface, Deduct	*-651.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0099		**#16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0088)*		
27 14 13 16-0100	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,473.80	637.32
		For Installation On Exposed Surface, Deduct	*-212.55*	
27 14 13 16-0101	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,859.22	660.41
		For Installation On Exposed Surface, Deduct	*-220.14*	
27 14 13 16-0102	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,195.40	683.49
		For Installation On Exposed Surface, Deduct	*-227.72*	
27 14 13 16-0103	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,552.01	706.58
		For Installation On Exposed Surface, Deduct	*-235.64*	
27 14 13 16-0104	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,928.59	753.57
		For Installation On Exposed Surface, Deduct	*-251.30*	
27 14 13 16-0105	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,272.20	801.39
		For Installation On Exposed Surface, Deduct	*-267.13*	
27 14 13 16-0106	MLF	7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,402.74	849.22
		For Installation On Exposed Surface, Deduct	*-282.96*	
27 14 13 16-0107	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,665.90	897.04
		For Installation On Exposed Surface, Deduct	*-298.96*	
27 14 13 16-0108	MLF	9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,122.48	953.92
		For Installation On Exposed Surface, Deduct	*-317.90*	
27 14 13 16-0109	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,688.34	1,181.48
		For Installation On Exposed Surface, Deduct	*-393.85*	
27 14 13 16-0110	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,988.18	1,745.42
		For Installation On Exposed Surface, Deduct	*-581.92*	
27 14 13 16-0111		**#18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0088)*		
27 14 13 16-0112	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,278.03	560.64
		For Installation On Exposed Surface, Deduct	*-186.99*	
27 14 13 16-0113	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,583.92	581.26
		For Installation On Exposed Surface, Deduct	*-193.75*	
27 14 13 16-0114	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,759.68	601.87
		For Installation On Exposed Surface, Deduct	*-200.51*	
27 14 13 16-0115	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,006.42	621.66
		For Installation On Exposed Surface, Deduct	*-207.27*	
27 14 13 16-0116	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,265.78	663.71
		For Installation On Exposed Surface, Deduct	*-221.29*	
27 14 13 16-0117	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,524.31	705.76
		For Installation On Exposed Surface, Deduct	*-235.14*	
27 14 13 16-0118	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,160.51	789.02
		For Installation On Exposed Surface, Deduct	*-263.01*	
27 14 13 16-0119	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,073.96	1,039.67
		For Installation On Exposed Surface, Deduct	*-346.61*	
27 14 13 16-0120	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,116.80	1,536.01
		For Installation On Exposed Surface, Deduct	*-512.00*	
27 14 13 16-0121		**#20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0088)*		
27 14 13 16-0122	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,092.20	510.36
		For Installation On Exposed Surface, Deduct	*-170.01*	
27 14 13 16-0123	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,293.36	528.49
		For Installation On Exposed Surface, Deduct	*-176.11*	
27 14 13 16-0124	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,576.01	601.87
		For Installation On Exposed Surface, Deduct	*-200.51*	
27 14 13 16-0125	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,685.78	565.60
		For Installation On Exposed Surface, Deduct	*-188.48*	
27 14 13 16-0126	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,013.75	663.71
		For Installation On Exposed Surface, Deduct	*-221.29*	
27 14 13 16-0127	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,226.52	705.76
		For Installation On Exposed Surface, Deduct	*-235.14*	
27 14 13 16-0128	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,431.93	785.39
		For Installation On Exposed Surface, Deduct	*-261.85*	
27 14 13 16-0129	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,051.00	945.67
		For Installation On Exposed Surface, Deduct	*-315.12*	
27 14 13 16-0130	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,540.62	1,396.67
		For Installation On Exposed Surface, Deduct	*-465.50*	
27 14 13 16-0131	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,845.62	1,429.65
		For Installation On Exposed Surface, Deduct	*-476.55*	
27 14 13 16-0132	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,792.28	1,664.62
		For Installation On Exposed Surface, Deduct	*-554.88*	
27 14 13 16-0133	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,216.60	1,781.70
		For Installation On Exposed Surface, Deduct	*-593.95*	
27 14 13 16-0134	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,387.94	2,226.92
		For Installation On Exposed Surface, Deduct	*-742.19*	
27 14 13 16-0135	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	10,089.11	2,931.85
		For Installation On Exposed Surface, Deduct	*-977.17*	
27 14 13 16-0136		**#22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded** *(27 14 13 16-0088)*		
27 14 13 16-0137	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	925.67	459.23
		For Installation On Exposed Surface, Deduct	*-153.02*	
		For Installation On Exposed Surface, Deduct	*-153.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0138	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,012.02	475.72
		For Installation On Exposed Surface, Deduct	*-158.46*	
		For Installation On Exposed Surface, Deduct	*-158.46*	
27 14 13 16-0139	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,132.74	492.21
		For Installation On Exposed Surface, Deduct	*-164.07*	
		For Installation On Exposed Surface, Deduct	*-164.07*	
27 14 13 16-0140	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,267.18	508.70
		For Installation On Exposed Surface, Deduct	*-169.68*	
		For Installation On Exposed Surface, Deduct	*-169.68*	
27 14 13 16-0141	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,423.62	543.33
		For Installation On Exposed Surface, Deduct	*-181.06*	
		For Installation On Exposed Surface, Deduct	*-181.06*	
27 14 13 16-0142	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,599.11	575.49
		For Installation On Exposed Surface, Deduct	*-191.94*	
		For Installation On Exposed Surface, Deduct	*-191.94*	

27 14 13 16-0143 Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0001)*

27 14 13 16-0144	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,210.14	637.32
27 14 13 16-0145	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,448.58	660.41
27 14 13 16-0146	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,617.33	683.49
27 14 13 16-0147	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,709.08	706.58
27 14 13 16-0148	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,040.11	753.57
27 14 13 16-0149	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,205.41	801.39
27 14 13 16-0150	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,747.24	897.04
27 14 13 16-0151	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,421.01	1,181.48
27 14 13 16-0152	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,188.35	1,745.42
27 14 13 16-0153	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,046.78	560.64
27 14 13 16-0154	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,242.72	581.26
27 14 13 16-0155	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,405.24	601.87
27 14 13 16-0156	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,487.05	621.66
27 14 13 16-0157	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,770.02	663.71
27 14 13 16-0158	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,982.79	705.76
27 14 13 16-0159	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,238.68	789.02
27 14 13 16-0160	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,895.10	1,039.67
27 14 13 16-0161	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,609.95	1,536.01
27 14 13 16-0162	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	926.58	510.36
27 14 13 16-0163	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,051.71	528.49
27 14 13 16-0164	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,173.06	546.63
27 14 13 16-0165	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,250.62	565.60
27 14 13 16-0166	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,360.35	603.52
27 14 13 16-0167	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,483.13	641.44
27 14 13 16-0168	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,660.99	717.29
27 14 13 16-0169	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,285.30	945.67
27 14 13 16-0170	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,467.57	1,396.67
27 14 13 16-0171	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,651.38	1,429.65
27 14 13 16-0172	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,305.12	1,664.62
27 14 13 16-0173	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,642.35	1,781.70
27 14 13 16-0174	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,605.12	2,226.92
27 14 13 16-0175	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,566.26	2,931.85
27 14 13 16-0176	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	14,583.38	5,400.34
27 14 13 16-0177	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	21,896.99	7,146.59
27 14 13 16-0178	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	29,246.96	9,005.79
27 14 13 16-0179	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	41,145.90	12,353.18
27 14 13 16-0180	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	899.00	510.36
27 14 13 16-0181	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	990.03	528.49
27 14 13 16-0182	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,078.65	546.63
27 14 13 16-0183	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,139.55	565.60
27 14 13 16-0184	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,232.63	603.52
27 14 13 16-0185	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,333.74	641.44
27 14 13 16-0186	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,493.25	717.29
27 14 13 16-0187	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,029.58	945.67
27 14 13 16-0188	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,056.78	1,396.67
27 14 13 16-0189	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,194.26	1,429.65
27 14 13 16-0190	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,768.85	1,664.62
27 14 13 16-0191	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,039.67	1,781.70
27 14 13 16-0192	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,922.61	2,226.92
27 14 13 16-0193	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,600.45	2,931.85
27 14 13 16-0194	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	12,539.46	5,400.34
27 14 13 16-0195	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	18,288.41	7,146.59
27 14 13 16-0196	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	24,103.33	9,005.79
27 14 13 16-0197	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	33,720.13	12,353.18

27 14 13 16-0198 Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0001)*

27 14 13 16-0199	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,241.50	637.32
27 14 13 16-0200	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,421.20	660.41
27 14 13 16-0201	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,533.10	683.49
27 14 13 16-0202	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,682.79	706.58
27 14 13 16-0203	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,861.39	753.57
27 14 13 16-0204	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,038.33	801.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0205	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,456.34	897.04
27 14 13 16-0206	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,190.12	1,181.48
27 14 13 16-0207	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,758.74	1,745.42
27 14 13 16-0208	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,086.90	560.64
27 14 13 16-0209	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,241.21	581.26
27 14 13 16-0210	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,337.88	601.87
27 14 13 16-0211	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,466.00	621.66
27 14 13 16-0212	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,619.90	663.71
27 14 13 16-0213	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,772.99	705.76
27 14 13 16-0214	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,132.38	789.02
27 14 13 16-0215	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,770.43	1,039.67
27 14 13 16-0216	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,131.79	1,536.01
27 14 13 16-0217	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	957.29	510.36
27 14 13 16-0218	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,090.11	528.49
27 14 13 16-0219	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,183.49	546.63
27 14 13 16-0220	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,352.14	565.60
27 14 13 16-0221	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,501.44	603.52
27 14 13 16-0222	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,786.49	641.44
27 14 13 16-0223	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,996.79	717.29
27 14 13 16-0224	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,524.81	945.67
27 14 13 16-0225	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,806.82	1,396.67
27 14 13 16-0226	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,028.03	1,429.65
27 14 13 16-0227	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,790.59	1,664.62
27 14 13 16-0228	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,138.93	1,781.70
27 14 13 16-0229	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,167.48	2,226.92
27 14 13 16-0230	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	8,362.06	2,931.85
27 14 13 16-0231	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	16,267.94	5,400.34
27 14 13 16-0232	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	24,870.92	7,146.59
27 14 13 16-0233	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	33,485.49	9,005.79
27 14 13 16-0234	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	47,265.05	12,352.35
27 14 13 16-0235	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	918.64	510.36
27 14 13 16-0236	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,014.60	528.49
27 14 13 16-0237	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,085.33	546.63
27 14 13 16-0238	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,204.49	565.60
27 14 13 16-0239	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,322.88	603.52
27 14 13 16-0240	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,527.79	641.44
27 14 13 16-0241	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,708.07	717.29
27 14 13 16-0242	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,182.79	945.67
27 14 13 16-0243	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,273.79	1,396.67
27 14 13 16-0244	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,435.19	1,429.65
27 14 13 16-0245	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,064.10	1,664.62
27 14 13 16-0246	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,357.33	1,781.70
27 14 13 16-0247	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,282.34	2,226.92
27 14 13 16-0248	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,109.50	2,931.85
27 14 13 16-0249	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	13,616.95	5,400.34
27 14 13 16-0250	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	20,190.79	7,146.59
27 14 13 16-0251	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	26,814.93	9,005.79
27 14 13 16-0252	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	37,635.07	12,353.18

27 14 13 16-0253 Copper Telecommunications Cable *(27 14 13 16)*

27 14 13 16-0254 Indoor Telecommunications Cable *(27 14 13 16-0253)*

Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.

27 14 13 16-0255 Category 3, Indoor Telecommunications Cable *(27 14 13 16-0254)*

Note: Un-shielded twisted pair cables (UTP).

27 14 13 16-0256 Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0255)*

27 14 13 16-0257 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0256)*

27 14 13 16-0258 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0257)*

27 14 13 16-0259	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	712.14	378.78
27 14 13 16-0260	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	746.54	378.78
27 14 13 16-0261	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	758.58	378.78
27 14 13 16-0262	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	917.57	432.89
27 14 13 16-0263	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,170.44	432.89
27 14 13 16-0264	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,572.96	432.89
27 14 13 16-0265	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,513.65	541.10
27 14 13 16-0266	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,547.89	865.77
27 14 13 16-0267	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,166.31	973.99
27 14 13 16-0268	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,202.74	1,082.22
27 14 13 16-0269	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,999.91	1,515.11
27 14 13 16-0270	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,732.74	1,872.23
27 14 13 16-0271	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,504.82	2,597.31
27 14 13 16-0272	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	39,799.82	5,194.63
27 14 13 16-0273	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	54,105.71	7,791.95

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0274		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0257)*		
27 14 13 16-0275	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,343.44	757.55
27 14 13 16-0276	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,377.84	757.55
27 14 13 16-0277	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,389.88	757.55
27 14 13 16-0278	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,458.69	757.55
27 14 13 16-0279	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,711.56	757.55
27 14 13 16-0280	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,294.45	865.77
27 14 13 16-0281	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,415.50	1,082.22
27 14 13 16-0282	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,269.36	1,298.66
27 14 13 16-0283	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,977.98	1,460.99
27 14 13 16-0284	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,104.58	1,623.32
27 14 13 16-0285	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	13,262.49	2,272.65
27 14 13 16-0286	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	17,301.94	2,813.76
27 14 13 16-0287	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	26,669.25	3,895.97
27 14 13 16-0288	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	44,128.68	7,791.95
27 14 13 16-0289	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	60,599.01	11,687.93
27 14 13 16-0290		22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0256)*		
27 14 13 16-0291		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0290)*		
27 14 13 16-0292	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,534.02	432.89
27 14 13 16-0293	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,779.18	541.10
27 14 13 16-0294	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,907.28	865.77
27 14 13 16-0295	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,289.20	1,082.22
27 14 13 16-0296	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	18,171.90	1,515.11
27 14 13 16-0297	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,674.06	1,872.23
27 14 13 16-0298	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,929.62	2,597.31
27 14 13 16-0299		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0290)*		
27 14 13 16-0300	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,255.51	865.77
27 14 13 16-0301	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,681.03	1,082.22
27 14 13 16-0302	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,628.75	1,298.66
27 14 13 16-0303	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	13,191.04	1,623.32
27 14 13 16-0304	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,434.48	2,272.65
27 14 13 16-0305	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	25,243.26	2,813.76
27 14 13 16-0306	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,094.05	3,895.97
27 14 13 16-0307		Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0255)*		
27 14 13 16-0308		24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0307)*		
27 14 13 16-0309		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0308)*		
27 14 13 16-0310	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	734.51	378.78
27 14 13 16-0311	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	768.90	378.78
27 14 13 16-0312	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	792.99	378.78
27 14 13 16-0313	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	953.70	432.89
27 14 13 16-0314	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,216.88	432.89
27 14 13 16-0315	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,934.19	432.89
27 14 13 16-0316	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,237.85	541.10
27 14 13 16-0317	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	6,116.68	865.77
27 14 13 16-0318	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,593.80	1,082.22
27 14 13 16-0319	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,878.90	1,515.11
27 14 13 16-0320		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0308)*		
27 14 13 16-0321	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,365.81	757.55
27 14 13 16-0322	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,400.20	757.55
27 14 13 16-0323	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,424.29	757.55
27 14 13 16-0324	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,494.82	757.55
27 14 13 16-0325	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,758.00	757.55
27 14 13 16-0326	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,655.68	865.77
27 14 13 16-0327	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	4,139.70	1,082.22
27 14 13 16-0328	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,838.15	1,298.66
27 14 13 16-0329	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	11,495.64	1,623.32
27 14 13 16-0330	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	17,141.48	2,272.65
27 14 13 16-0331		Category 5E, Indoor Telecommunications Cable *(27 14 13 16-0254)*		
27 14 13 16-0332		Category 5E, Indoor Telecommunications Riser Cable *(27 14 13 16-0331)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0333		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0332)*		
27 14 13 16-0334	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	820.51	378.78
27 14 13 16-0335	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	864.95	378.78
27 14 13 16-0336	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	956.00	432.89
27 14 13 16-0337	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,000.71	432.89
27 14 13 16-0338		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0332)*		
27 14 13 16-0339	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,451.81	757.55
27 14 13 16-0340	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,496.25	757.55
27 14 13 16-0341	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,677.49	865.77
27 14 13 16-0342	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,722.20	865.77
27 14 13 16-0343		Category 5E, Indoor Telecommunications Plenum Cable *(27 14 13 16-0331)*		
27 14 13 16-0344		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0343)*		
27 14 13 16-0345	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	968.44	378.78
27 14 13 16-0346	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,389.91	432.89
27 14 13 16-0347		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0343)*		
27 14 13 16-0348	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,599.74	757.55
27 14 13 16-0349	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,111.40	865.77
27 14 13 16-0350		Category 6, Indoor Telecommunications Cable *(27 14 13 16-0254)*		
27 14 13 16-0351		Category 6, Indoor Telecommunications Riser Cable *(27 14 13 16-0350)*		
27 14 13 16-0352		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0351)*		
27 14 13 16-0353	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	930.60	378.78
27 14 13 16-0354	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	964.06	378.78
27 14 13 16-0355		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0351)*		
27 14 13 16-0356	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,561.90	757.55
27 14 13 16-0357	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,595.36	757.55
27 14 13 16-0358		Category 6, Indoor Telecommunications Plenum Cable *(27 14 13 16-0350)*		
27 14 13 16-0359		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0358)*		
27 14 13 16-0360	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,240.23	378.78
27 14 13 16-0361		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0358)*		
27 14 13 16-0362	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	1,871.53	757.55
27 14 13 16-0363		Category 6a, Indoor Telecommunications Cable *(27 14 13 16-0254)*		
27 14 13 16-0364		Category 6a, Indoor Telecommunications Riser Cable *(27 14 13 16-0363)*		
27 14 13 16-0365		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0364)*		
27 14 13 16-0366	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	984.07	378.78
27 14 13 16-0367		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0364)*		
27 14 13 16-0368	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,615.37	757.55
27 14 13 16-0369		Category 6a, Indoor Telecommunications Plenum Cable *(27 14 13 16-0363)*		
27 14 13 16-0370		Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0369)*		
27 14 13 16-0371	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,398.50	378.78
27 14 13 16-0372		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0369)*		
27 14 13 16-0373	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed	2,029.80	757.55
27 14 13 16-0374		Category 7, Indoor Telecommunications Cable *(27 14 13 16-0254)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0375		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0374)*		
27 14 13 16-0376	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,081.45	432.89
27 14 13 16-0377	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,041.26	432.89
27 14 13 16-0378		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 14 13 16-0374)*		
27 14 13 16-0379	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	2,802.94	865.77
27 14 13 16-0380	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,762.75	865.77
27 14 13 16-0381		Outdoor Telecommunications Cable *(27 14 13 16-0253)* Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0382		PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0381)* Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0383		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0382)*		
27 14 13 16-0384		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0383)*		
27 14 13 16-0385	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,582.90	757.55
27 14 13 16-0386	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,718.38	757.55
27 14 13 16-0387	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,010.24	757.55
27 14 13 16-0388	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,566.24	757.55
27 14 13 16-0389	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,118.87	757.55
27 14 13 16-0390	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,672.79	757.55
27 14 13 16-0391	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,196.84	973.99
27 14 13 16-0392	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,089.18	1,406.88
27 14 13 16-0393	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,023.63	1,839.76
27 14 13 16-0394	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,321.51	2,489.10
27 14 13 16-0395	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,632.35	4,978.19
27 14 13 16-0396	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,855.48	7,359.07
27 14 13 16-0397		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0383)*		
27 14 13 16-0398	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,312.34	
27 14 13 16-0399	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,447.82	
27 14 13 16-0400	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,739.68	
27 14 13 16-0401	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,295.68	
27 14 13 16-0402	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,848.31	
27 14 13 16-0403	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,402.23	
27 14 13 16-0404	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,016.48	
27 14 13 16-0405	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,548.07	
27 14 13 16-0406	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,896.32	
27 14 13 16-0407	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,337.45	
27 14 13 16-0408	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,221.28	
27 14 13 16-0409	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,919.23	
27 14 13 16-0410		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0382)*		
27 14 13 16-0411		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0410)*		
27 14 13 16-0412	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,669.03	757.55
27 14 13 16-0413	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,879.30	757.55
27 14 13 16-0414	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,339.62	757.55
27 14 13 16-0415	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,152.51	757.55
27 14 13 16-0416	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,035.05	757.55
27 14 13 16-0417	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,918.31	757.55
27 14 13 16-0418	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,599.62	973.99
27 14 13 16-0419	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,516.03	1,406.88
27 14 13 16-0420	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,643.32	1,839.76
27 14 13 16-0421	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,388.93	2,489.10
27 14 13 16-0422	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,820.84	4,978.19
27 14 13 16-0423	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	52,098.39	7,359.07
27 14 13 16-0424		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0410)*		
27 14 13 16-0425	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,398.47	
27 14 13 16-0426	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,608.74	
27 14 13 16-0427	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,069.06	
27 14 13 16-0428	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,881.95	
27 14 13 16-0429	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,764.49	
27 14 13 16-0430	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,647.75	
27 14 13 16-0431	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,419.26	
27 14 13 16-0432	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,974.92	
27 14 13 16-0433	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,516.01	
27 14 13 16-0434	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,404.87	
27 14 13 16-0435	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,409.77	
27 14 13 16-0436	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	44,162.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0437		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0382)*		
27 14 13 16-0438		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0437)*		
27 14 13 16-0439	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,355.05	757.55
27 14 13 16-0440	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,137.35	757.55
27 14 13 16-0441	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,565.70	757.55
27 14 13 16-0442	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,849.69	757.55
27 14 13 16-0443		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0437)*		
27 14 13 16-0444	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,084.49	
27 14 13 16-0445	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,866.79	
27 14 13 16-0446	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,295.14	
27 14 13 16-0447	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,579.13	
27 14 13 16-0448		PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0381)* Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0449		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0448)*		
27 14 13 16-0450		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0449)*		
27 14 13 16-0451	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,595.01	757.55
27 14 13 16-0452	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,760.76	757.55
27 14 13 16-0453	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,095.15	757.55
27 14 13 16-0454	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,697.32	757.55
27 14 13 16-0455	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,918.62	757.55
27 14 13 16-0456	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,759.05	973.99
27 14 13 16-0457	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,856.06	1,406.88
27 14 13 16-0458	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,958.07	1,839.76
27 14 13 16-0459	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,685.86	2,489.10
27 14 13 16-0460	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,396.79	4,978.19
27 14 13 16-0461	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	41,431.71	7,359.07
27 14 13 16-0462		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0449)*		
27 14 13 16-0463	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,324.45	
27 14 13 16-0464	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,490.20	
27 14 13 16-0465	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,824.59	
27 14 13 16-0466	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,426.76	
27 14 13 16-0467	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,648.06	
27 14 13 16-0468	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,578.69	
27 14 13 16-0469	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,314.95	
27 14 13 16-0470	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,830.76	
27 14 13 16-0471	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,701.80	
27 14 13 16-0472	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,985.72	
27 14 13 16-0473	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,495.46	
27 14 13 16-0474		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0448)*		
27 14 13 16-0475		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0474)*		
27 14 13 16-0476	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,690.84	757.55
27 14 13 16-0477	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,934.40	757.55
27 14 13 16-0478	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,452.71	757.55
27 14 13 16-0479	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,406.21	757.55
27 14 13 16-0480	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,396.05	757.55
27 14 13 16-0481	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,602.33	973.99
27 14 13 16-0482	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,053.10	1,406.88
27 14 13 16-0483	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,034.30	1,839.76
27 14 13 16-0484	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	25,123.71	2,489.10
27 14 13 16-0485	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,440.39	4,978.19
27 14 13 16-0486		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0474)*		
27 14 13 16-0487	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,420.28	
27 14 13 16-0488	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,663.84	
27 14 13 16-0489	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,182.15	
27 14 13 16-0490	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,135.65	
27 14 13 16-0491	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,125.49	
27 14 13 16-0492	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,421.97	
27 14 13 16-0493	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,511.99	
27 14 13 16-0494	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,906.99	
27 14 13 16-0495	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,139.65	
27 14 13 16-0496	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	35,029.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0497		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0448)*		
27 14 13 16-0498		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0497)*		
27 14 13 16-0499	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,600.88	757.55
27 14 13 16-0500	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,534.72	757.55
27 14 13 16-0501	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,544.81	757.55
27 14 13 16-0502		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0497)*		
27 14 13 16-0503	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,330.32	
27 14 13 16-0504	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,264.16	
27 14 13 16-0505	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,274.25	
27 14 13 16-0506		(Aerial) Outdoor Telecommunications Cable *(27 14 13 16-0381)* Note: Includes support wire.		
27 14 13 16-0507		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0506)*		
27 14 13 16-0508	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,736.28	1,502.87
27 14 13 16-0509	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,874.19	1,502.87
27 14 13 16-0510	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,216.60	1,502.87
27 14 13 16-0511	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,850.56	1,502.87
27 14 13 16-0512	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,075.04	1,502.87
27 14 13 16-0513	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,878.76	1,653.15
27 14 13 16-0514	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,697.65	1,803.44
27 14 13 16-0515		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0506)*		
27 14 13 16-0516	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,901.28	1,502.87
27 14 13 16-0517	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,105.03	1,502.87
27 14 13 16-0518	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,595.80	1,502.87
27 14 13 16-0519	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,565.35	1,502.87
27 14 13 16-0520	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,925.56	1,502.87
27 14 13 16-0521	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,025.08	1,653.15
27 14 13 16-0522		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0506)*		
27 14 13 16-0523	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,119.42	1,502.87
27 14 13 16-0524	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,580.20	1,502.87
27 14 13 16-0525	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,486.18	1,502.87
27 14 13 16-0526	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,298.14	1,502.87
27 14 13 16-0527	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,165.45	1,502.87
27 14 13 16-0528		Sound System Cables *(27 14 13 16)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 14 13 16-0529		Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0528)*		
27 14 13 16-0530		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0529)*		
27 14 13 16-0531	MLF	2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,330.79	577.13
27 14 13 16-0532	MLF	2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,271.26	577.13
27 14 13 16-0533	MLF	2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,225.34	577.13
27 14 13 16-0534	MLF	4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,275.56	577.13
27 14 13 16-0535	MLF	4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,436.96	577.13
27 14 13 16-0536	MLF	6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,597.84	577.13
27 14 13 16-0537	MLF	4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,437.64	577.13
27 14 13 16-0538	MLF	4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,360.14	577.13
27 14 13 16-0539		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 14 13 16-0529)*		
27 14 13 16-0540	MLF	2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,355.39	577.13
27 14 13 16-0541	MLF	2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,286.90	577.13
27 14 13 16-0542	MLF	2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,248.14	577.13
27 14 13 16-0543	MLF	4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,312.82	577.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0544	MLF	8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,449.48	577.13
27 14 13 16-0545	MLF	2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,434.41	577.13
27 14 13 16-0546	MLF	2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,339.68	577.13
27 14 13 16-0547	MLF	4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,500.70	577.13
27 14 13 16-0548	MLF	6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,661.29	577.13
27 14 13 16-0549	MLF	2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,267.58	577.13
27 14 13 16-0550	MLF	2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,299.57	577.13
27 14 13 16-0551		Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0528)*		
27 14 13 16-0552		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0551)*		
27 14 13 16-0553	MLF	2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	753.64	288.57
27 14 13 16-0554	MLF	2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	694.11	288.57
27 14 13 16-0555	MLF	2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	648.19	288.57
27 14 13 16-0556	MLF	4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	698.41	288.57
27 14 13 16-0557	MLF	4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	859.81	288.57
27 14 13 16-0558	MLF	6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,020.69	288.57
27 14 13 16-0559	MLF	4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	860.49	288.57
27 14 13 16-0560	MLF	4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	782.99	288.57
27 14 13 16-0561		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 14 13 16-0551)*		
27 14 13 16-0562	MLF	2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	778.24	288.57
27 14 13 16-0563	MLF	2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	709.75	288.57
27 14 13 16-0564	MLF	2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	670.99	288.57
27 14 13 16-0565	MLF	4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	735.67	288.57
27 14 13 16-0566	MLF	8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	872.33	288.57
27 14 13 16-0567	MLF	2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	857.26	288.57
27 14 13 16-0568	MLF	2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	762.53	288.57
27 14 13 16-0569	MLF	4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	923.55	288.57
27 14 13 16-0570	MLF	6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,084.14	288.57
27 14 13 16-0571	MLF	2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	722.42	288.57
27 14 13 16-0572	MLF	2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	690.43	288.57
27 14 23		**Communications Optical Fiber Cabling** *(27 14)*		
27 14 23 13		**Communications Optical Fiber Splicing And Terminations** *(27 14 23)*		
27 14 23 13-0001		Fiber Optic Cable Connectors *(27 14 23 13)*		
27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	24.44	
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	27.62	
27 14 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	26.79	
27 14 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	30.85	
27 14 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	36.18	
27 14 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	37.13	
27 14 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	51.78	
27 14 23 13-0009		Fiber Optic Cable Fan Out Kits *(27 14 23 13)*		
27 14 23 13-0010		Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 14 23 13-0009)*		
27 14 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	205.46	
27 14 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	208.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	247.80	
27 14 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	281.57	
27 14 23 13-0015		**Spider Fan Out Kits For Fiber Optic Cable** *(27 14 23 13-0009)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	248.90	
27 14 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	274.26	
27 14 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	380.97	
27 14 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	496.52	
27 14 23 13-0020		**Fiber Optic Cable Splice Closures** *(27 14 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	558.59	90.19
27 14 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	738.96	180.37
27 14 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	738.96	180.37
27 14 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	900.82	90.19
27 14 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,081.19	180.37
27 14 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,081.19	180.37
27 14 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	41.61	11.27
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028		**Fiber Optic Cable Splicing** *(27 14 23 13)*		
27 14 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	27.06	
27 14 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	90.19	
27 14 23 13-0031		**Fiber Optic Cable Testing** *(27 14 23 13)*		
		Note: Price based on testing one wavelength.		
27 14 23 13-0032		**Fiber Optic Cable Testing Using An OTDR** *(27 14 23 13-0031)*		
		Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	18.04	
		For >12 To 48 Strands, Deduct	*-1.35*	
		For >48 Strands, Deduct	*-1.80*	
27 14 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	27.06	
		For >12 To 48 Strands, Deduct	*-2.03*	
		For >48 Strands, Deduct	*-2.71*	
27 14 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	45.09	
		For >12 To 48 Strands, Deduct	*-3.38*	
		For >48 Strands, Deduct	*-4.51*	
27 14 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	67.64	
		For >12 To 48 Strands, Deduct	*-5.07*	
		For >48 Strands, Deduct	*-6.76*	
27 14 23 13-0037		**Fiber Optic Cable Testing Using A Power Meter** *(27 14 23 13-0031)*		
27 14 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	18.04	
		For >12 To 48 Strands, Deduct	*-1.35*	
		For >48 Strands, Deduct	*-1.80*	
27 14 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	27.06	
		For >12 To 48 Strands, Deduct	*-2.03*	
		For >48 Strands, Deduct	*-2.71*	
27 14 23 13-0040		**Fiber Optic Cable Light Source/Continuity Testing** *(27 14 23 13-0031)*		
27 14 23 13-0041	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	18.04	
		For >12 To 48 Strands, Deduct	*-1.35*	
		For >48 Strands, Deduct	*-1.80*	
27 14 23 13-0042		**Other Fiber Optic Cable Equipment** *(27 14 23 13)*		
27 14 23 13-0043	EA	8 Port Ethernet Switch	636.02	177.42
27 14 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	852.54	177.42
		Note: Patch antenna with 1 meter 3' SMA-N cable		
27 14 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	18,444.00	177.42
		Note: 8VDC input		
27 14 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	196.03	22.22
27 14 23 13-0047	EA	Hardened Ethernet Switch	1,986.79	88.82
27 14 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	51,350.55	2,131.69
27 14 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	63,889.37	2,842.26
27 14 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	916.78	177.64
27 14 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	986.21	88.82
27 14 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	834.60	88.82
27 14 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	1,075.02	133.23
27 14 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems)	788.61	
27 14 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.	788.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0056		Other Fiber Optic Cable Splicing *(27 14 23 13)*		
27 14 23 13-0057	EA	Fiber Optic Finger Splice	28.44	16.95
27 14 23 13-0058	EA	Fiber Optic Splice Box - Manholes	3,414.83	
27 14 23 16		**Communications Optical Fiber Cabling** *(27 14 23)*		
27 14 23 16-0001		Indoor Fiber Optic Cable *(27 14 23 16)* Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002		Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0001)* Note: Excludes conduit or innerduct.		
27 14 23 16-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0002)*		
27 14 23 16-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*		
27 14 23 16-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	807.69	324.67
27 14 23 16-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	888.03	324.67
27 14 23 16-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	914.86	324.67
27 14 23 16-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,010.39	324.67
		For Aluminum Armored Cable, Add	*1,173.16*	
		For Steel Armored Cable, Add	*1,246.15*	
27 14 23 16-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,037.78	324.67
27 14 23 16-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,203.34	324.67
		For Aluminum Armored Cable, Add	*1,213.20*	
		For Steel Armored Cable, Add	*1,294.36*	
27 14 23 16-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,094.91	378.78
27 14 23 16-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,979.33	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,517.83*	
		For Steel Armored Cable, Add	*1,486.52*	
27 14 23 16-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,651.49	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,600.08*	
		For Steel Armored Cable, Add	*1,423.75*	
27 14 23 16-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,781.86	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,678.80*	
		For Steel Armored Cable, Add	*1,492.07*	
27 14 23 16-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,603.96	378.78
27 14 23 16-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,822.58	378.78
27 14 23 16-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,972.55	378.78
27 14 23 16-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,039.55	432.89
27 14 23 16-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,607.71	432.89
27 14 23 16-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	830.82	324.67
27 14 23 16-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	927.29	324.67
27 14 23 16-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,057.44	324.67
27 14 23 16-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,268.68	324.67
		For Aluminum Armored Cable, Add	*1,154.47*	
		For Steel Armored Cable, Add	*1,224.14*	
27 14 23 16-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,373.22	324.67
27 14 23 16-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,775.27	324.67
		For Aluminum Armored Cable, Add	*1,184.55*	
		For Steel Armored Cable, Add	*1,262.02*	
27 14 23 16-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,453.98	378.78
27 14 23 16-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,918.24	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,660.25*	
		For Steel Armored Cable, Add	*1,630.38*	
27 14 23 16-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,003.78	378.78
27 14 23 16-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,969.16	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,786.09*	
27 14 23 16-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,903.93	378.78
27 14 23 16-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,897.44	378.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,121.85	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,319.14*	
27 14 23 16-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,834.91	432.89
27 14 23 16-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,225.76	432.89
27 14 23 16-0037		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	845.31	324.67
27 14 23 16-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	946.59	324.67
27 14 23 16-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,083.26	324.67
27 14 23 16-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,305.06	324.67
27 14 23 16-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,414.82	324.67
27 14 23 16-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,836.98	324.67
27 14 23 16-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,595.11	378.78
27 14 23 16-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,082.58	378.78
27 14 23 16-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,222.40	378.78
27 14 23 16-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,236.05	378.78
27 14 23 16-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,217.56	378.78
27 14 23 16-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,260.75	378.78
27 14 23 16-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,596.37	378.78
27 14 23 16-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,540.58	432.89
27 14 23 16-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,150.97	432.89
27 14 23 16-0053		Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*		
27 14 23 16-0054		Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,552.32	324.67
27 14 23 16-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,851.96	324.67
27 14 23 16-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,511.14	324.67
27 14 23 16-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,825.72	324.67
27 14 23 16-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,968.88	324.67
27 14 23 16-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,238.02	378.78
27 14 23 16-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,618.80	378.78
27 14 23 16-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,357.85	378.78
27 14 23 16-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,492.69	378.78
27 14 23 16-0064		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,842.84	324.67
27 14 23 16-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,987.31	324.67
27 14 23 16-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,578.62	324.67
27 14 23 16-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,154.70	324.67
27 14 23 16-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,857.84	324.67
27 14 23 16-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,022.14	378.78
27 14 23 16-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,465.24	378.78
27 14 23 16-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,726.62	378.78
27 14 23 16-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,653.85	378.78
27 14 23 16-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*		
27 14 23 16-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,907.93	324.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,059.62	324.67
27 14 23 16-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,680.50	324.67
27 14 23 16-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,285.38	324.67
27 14 23 16-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,023.68	324.67
27 14 23 16-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,241.68	378.78
27 14 23 16-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,756.94	378.78
27 14 23 16-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,181.38	378.78
27 14 23 16-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,254.98	378.78

27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit
(27 14 23 16-0002)

27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit
(27 14 23 16-0084)

27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit
(27 14 23 16-0085)

27 14 23 16-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	750.19	324.67
27 14 23 16-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	753.35	324.67
27 14 23 16-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	918.98	324.67
27 14 23 16-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	938.37	324.67
		For Aluminum Armored Cable, Add	*897.57*	
		For Steel Armored Cable, Add	*1,501.91*	
27 14 23 16-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,035.94	324.67
27 14 23 16-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,054.19	324.67
		For Aluminum Armored Cable, Add	*962.09*	
		For Steel Armored Cable, Add	*1,566.37*	
27 14 23 16-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,303.99	378.78
27 14 23 16-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,931.26	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*625.78*	
		For Steel Armored Cable, Add	*715.02*	
27 14 23 16-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,591.55	378.78
27 14 23 16-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,708.51	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*120.01*	
		For Steel Armored Cable, Add	*260.61*	
27 14 23 16-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,660.27	378.78
27 14 23 16-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,676.46	378.78
27 14 23 16-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,788.30	378.78

27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit
(27 14 23 16-0085)

27 14 23 16-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	829.27	324.67
27 14 23 16-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	819.58	324.67
27 14 23 16-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,060.82	324.67
27 14 23 16-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,154.09	324.67
		For Aluminum Armored Cable, Add	*1,011.09*	
		For Steel Armored Cable, Add	*1,615.40*	
27 14 23 16-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,371.70	324.67
27 14 23 16-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,654.58	324.67
		For Aluminum Armored Cable, Add	*1,020.17*	
		For Steel Armored Cable, Add	*1,624.44*	
27 14 23 16-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,081.24	378.78
27 14 23 16-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,394.87	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*286.22*	
		For Steel Armored Cable, Add	*568.31*	
27 14 23 16-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,548.74	378.78
27 14 23 16-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,322.11	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*140.24*	
27 14 23 16-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,317.24	378.78
27 14 23 16-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,863.57	378.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,026.16	378.78
		For Aluminum Armored Cable With Sub-Units, Add	*1,183.24*	
27 14 23 16-0114		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*		
27 14 23 16-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	843.67	324.67
27 14 23 16-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	833.51	324.67
27 14 23 16-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,086.81	324.67
27 14 23 16-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,184.74	324.67
27 14 23 16-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,413.23	324.67
27 14 23 16-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,710.25	324.67
27 14 23 16-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,253.74	378.78
27 14 23 16-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,583.05	378.78
27 14 23 16-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,844.61	378.78
27 14 23 16-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,656.65	378.78
27 14 23 16-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,701.54	378.78
27 14 23 16-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,325.18	378.78
27 14 23 16-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,645.91	378.78
27 14 23 16-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0084)*		
27 14 23 16-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,468.67	324.67
27 14 23 16-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,833.23	324.67
27 14 23 16-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,709.63	324.67
27 14 23 16-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,568.53	324.67
27 14 23 16-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,939.32	324.67
27 14 23 16-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,481.45	378.78
27 14 23 16-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,256.25	378.78
27 14 23 16-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,838.51	378.78
27 14 23 16-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,528.89	378.78
27 14 23 16-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,116.89	324.67
27 14 23 16-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,893.34	324.67
27 14 23 16-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,351.23	324.67
27 14 23 16-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,991.05	324.67
27 14 23 16-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,212.37	324.67
27 14 23 16-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,903.93	378.78
27 14 23 16-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,287.48	378.78
27 14 23 16-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,099.36	378.78
27 14 23 16-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,312.89	378.78
27 14 23 16-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,195.68	324.67
27 14 23 16-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,010.95	324.67
27 14 23 16-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,491.74	324.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,163.55	324.67
27 14 23 16-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,445.93	324.67
27 14 23 16-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,217.56	378.78
27 14 23 16-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,670.29	378.78
27 14 23 16-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,672.76	378.78
27 14 23 16-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,096.97	378.78

27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0001)*

Note: For non-conduit installations such as cable trays, surface runways, etc.

27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*

27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*

27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*

27 14 23 16-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	988.06	432.89
27 14 23 16-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,068.40	432.89
27 14 23 16-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,095.23	432.89
27 14 23 16-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,190.76	432.89
		For Aluminum Armored Cable, Add	*1,173.16*	
		For Steel Armored Cable, Add	*1,246.15*	
27 14 23 16-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,218.15	432.89
27 14 23 16-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,383.71	432.89
		For Aluminum Armored Cable, Add	*1,213.20*	
		For Steel Armored Cable, Add	*1,294.36*	
27 14 23 16-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,275.28	487.00
27 14 23 16-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,159.70	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,517.83*	
		For Steel Armored Cable, Add	*1,486.52*	
27 14 23 16-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,831.86	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,600.08*	
		For Steel Armored Cable, Add	*1,423.75*	
27 14 23 16-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,962.23	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,678.80*	
		For Steel Armored Cable, Add	*1,492.07*	
27 14 23 16-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,784.33	487.00
27 14 23 16-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,002.95	487.00
27 14 23 16-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,152.92	487.00
27 14 23 16-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,219.92	541.10
27 14 23 16-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,788.08	541.10

27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*

27 14 23 16-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,011.19	432.89
27 14 23 16-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,107.66	432.89
27 14 23 16-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,237.81	432.89
27 14 23 16-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,449.05	432.89
		For Aluminum Armored Cable, Add	*1,154.47*	
		For Steel Armored Cable, Add	*1,224.14*	
27 14 23 16-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,553.59	432.89
27 14 23 16-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,955.64	432.89
		For Aluminum Armored Cable, Add	*1,184.55*	
		For Steel Armored Cable, Add	*1,262.02*	
27 14 23 16-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,634.35	487.00
27 14 23 16-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,098.61	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,660.25*	
		For Steel Armored Cable, Add	*1,630.38*	
27 14 23 16-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,184.15	487.00
27 14 23 16-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,149.53	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,786.09*	
27 14 23 16-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,084.30	487.00
27 14 23 16-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,077.81	487.00
27 14 23 16-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,302.22	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,319.14*	
27 14 23 16-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,015.28	541.10
27 14 23 16-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,406.13	541.10

27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,025.68	432.89
27 14 23 16-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,126.96	432.89
27 14 23 16-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,263.63	432.89
27 14 23 16-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,485.43	432.89
27 14 23 16-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,595.19	432.89
27 14 23 16-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,017.35	432.89
27 14 23 16-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,775.48	487.00
27 14 23 16-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,262.95	487.00
27 14 23 16-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,402.77	487.00
27 14 23 16-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,416.42	487.00
27 14 23 16-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,397.93	487.00
27 14 23 16-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,441.12	487.00
27 14 23 16-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,776.74	487.00
27 14 23 16-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,720.95	541.10
27 14 23 16-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,331.34	541.10

27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*

27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,732.69	432.89
27 14 23 16-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,032.33	432.89
27 14 23 16-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,691.51	432.89
27 14 23 16-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,006.09	432.89
27 14 23 16-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,149.25	432.89
27 14 23 16-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,418.39	487.00
27 14 23 16-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,799.17	487.00
27 14 23 16-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,538.22	487.00
27 14 23 16-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,673.06	487.00

27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,023.21	432.89
27 14 23 16-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,167.68	432.89
27 14 23 16-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,758.99	432.89
27 14 23 16-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,335.07	432.89
27 14 23 16-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,038.21	432.89
27 14 23 16-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,202.51	487.00
27 14 23 16-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,645.61	487.00
27 14 23 16-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,906.99	487.00
27 14 23 16-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,834.22	487.00

27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,088.30	432.89
27 14 23 16-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,239.99	432.89
27 14 23 16-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,860.87	432.89
27 14 23 16-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,465.75	432.89
27 14 23 16-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,204.05	432.89
27 14 23 16-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,422.05	487.00
27 14 23 16-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,937.31	487.00
27 14 23 16-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,361.75	487.00
27 14 23 16-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,435.35	487.00

27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0241)*		
27 14 23 16-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*		
27 14 23 16-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	930.56	432.89
27 14 23 16-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	933.72	432.89
27 14 23 16-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,099.35	432.89
27 14 23 16-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,118.74	432.89
		For Aluminum Armored Cable, Add	*897.57*	
		For Steel Armored Cable, Add	*1,501.91*	
27 14 23 16-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,216.31	432.89
27 14 23 16-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,234.56	432.89
		For Aluminum Armored Cable, Add	*962.09*	
		For Steel Armored Cable, Add	*1,566.37*	
27 14 23 16-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,484.36	487.00
27 14 23 16-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,111.63	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*625.78*	
		For Steel Armored Cable, Add	*715.02*	
27 14 23 16-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,771.92	487.00
27 14 23 16-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,888.88	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*120.01*	
		For Steel Armored Cable, Add	*260.61*	
27 14 23 16-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,840.64	487.00
27 14 23 16-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,856.83	487.00
27 14 23 16-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,968.67	487.00
27 14 23 16-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*		
27 14 23 16-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,009.64	432.89
27 14 23 16-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	999.95	432.89
27 14 23 16-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,241.19	432.89
27 14 23 16-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,334.46	432.89
		For Aluminum Armored Cable, Add	*1,011.09*	
		For Steel Armored Cable, Add	*1,615.40*	
27 14 23 16-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,552.07	432.89
27 14 23 16-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,834.95	432.89
		For Aluminum Armored Cable, Add	*1,020.17*	
		For Steel Armored Cable, Add	*1,624.44*	
27 14 23 16-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,261.61	487.00
27 14 23 16-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,575.24	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*286.22*	
		For Steel Armored Cable, Add	*568.31*	
27 14 23 16-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,729.11	487.00
27 14 23 16-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,502.48	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*140.24*	
27 14 23 16-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,497.61	487.00
27 14 23 16-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,043.94	487.00
27 14 23 16-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,206.53	487.00
		For Aluminum Armored Cable With Sub-Units, Add	*1,183.24*	
27 14 23 16-0271		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*		
27 14 23 16-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,024.04	432.89
27 14 23 16-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,013.88	432.89
27 14 23 16-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,267.18	432.89
27 14 23 16-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,365.11	432.89
27 14 23 16-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,593.60	432.89
27 14 23 16-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,890.62	432.89
27 14 23 16-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,434.11	487.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,763.42	487.00
27 14 23 16-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,024.98	487.00
27 14 23 16-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,837.02	487.00
27 14 23 16-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,881.91	487.00
27 14 23 16-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,505.55	487.00
27 14 23 16-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,826.28	487.00

27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0241)*

27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,649.04	432.89
27 14 23 16-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,013.60	432.89
27 14 23 16-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,890.00	432.89
27 14 23 16-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,748.90	432.89
27 14 23 16-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,119.69	432.89
27 14 23 16-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,661.82	487.00
27 14 23 16-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,436.62	487.00
27 14 23 16-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,018.88	487.00
27 14 23 16-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,709.26	487.00

27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,297.26	432.89
27 14 23 16-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,073.71	432.89
27 14 23 16-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,531.60	432.89
27 14 23 16-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,171.42	432.89
27 14 23 16-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,392.74	432.89
27 14 23 16-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,084.30	487.00
27 14 23 16-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,467.85	487.00
27 14 23 16-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,279.73	487.00
27 14 23 16-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,493.26	487.00

27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0285)*

27 14 23 16-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,376.05	432.89
27 14 23 16-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,191.32	432.89
27 14 23 16-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,672.11	432.89
27 14 23 16-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,343.92	432.89
27 14 23 16-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,626.30	432.89
27 14 23 16-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,397.93	487.00
27 14 23 16-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,850.66	487.00
27 14 23 16-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,853.13	487.00
27 14 23 16-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,277.34	487.00

27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0001)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0316)*

27 14 23 16-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,194.04	324.67
27 14 23 16-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,800.66	324.67
27 14 23 16-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,075.89	378.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,787.86	378.78
27 14 23 16-0322		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0316)*		
27 14 23 16-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,409.18	324.67
27 14 23 16-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,111.49	324.67
27 14 23 16-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,497.21	378.78
27 14 23 16-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,101.19	378.78
27 14 23 16-0327		**Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0001)* Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,374.41	432.89
27 14 23 16-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,981.03	432.89
27 14 23 16-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,256.26	487.00
27 14 23 16-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,968.23	487.00
27 14 23 16-0333		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,589.55	432.89
27 14 23 16-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,291.86	432.89
27 14 23 16-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,677.58	487.00
27 14 23 16-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,281.56	487.00
27 14 23 16-0338		**Outdoor Fiber Optic Cable** *(27 14 23 16)*		
27 14 23 16-0339		**Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0338)* Note: Excludes conduit or innerduct.		
27 14 23 16-0340		**Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0339)*		
27 14 23 16-0341		**Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0340)*		
27 14 23 16-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,303.15	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.66*	
27 14 23 16-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,315.70	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.84*	
27 14 23 16-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,328.42	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.82*	
27 14 23 16-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,340.97	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.00*	
27 14 23 16-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,366.22	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.18*	
27 14 23 16-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,426.17	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.00*	
27 14 23 16-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,463.81	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.52*	
27 14 23 16-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,553.36	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.32*	
27 14 23 16-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,647.63	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.54*	
27 14 23 16-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,740.49	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.76*	
27 14 23 16-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,862.99	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.02*	
27 14 23 16-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,104.83	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*161.00*	
27 14 23 16-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,347.89	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.63*	
27 14 23 16-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,599.68	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*205.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0356		50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*		
27 14 23 16-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,422.63	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.41*	
27 14 23 16-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,552.67	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.14*	
27 14 23 16-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,685.78	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.49*	
27 14 23 16-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,817.51	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.02*	
27 14 23 16-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,080.96	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.11*	
27 14 23 16-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,497.39	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.85*	
27 14 23 16-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,892.57	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.24*	
27 14 23 16-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,696.16	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.59*	
27 14 23 16-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,504.64	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.74*	
27 14 23 16-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,311.89	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.89*	
27 14 23 16-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,160.44	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*208.91*	
27 14 23 16-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,871.65	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.93*	
27 14 23 16-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,602.56	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*289.75*	
27 14 23 16-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,367.78	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.20*	
27 14 23 16-0371		62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*		
27 14 23 16-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,358.79	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*99.94*	
27 14 23 16-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,454.88	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.18*	
27 14 23 16-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,550.82	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.24*	
27 14 23 16-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,669.34	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*130.05*	
27 14 23 16-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,839.08	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,139.17	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.53*	
27 14 23 16-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,423.44	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.21*	
27 14 23 16-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,967.49	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.70*	
27 14 23 16-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,603.83	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.37*	
27 14 23 16-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,191.58	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.52*	
27 14 23 16-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,811.92	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.65*	
27 14 23 16-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,066.57	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.82*	
27 14 23 16-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,341.37	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*330.05*	
27 14 23 16-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,635.85	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.17*	
27 14 23 16-0386		Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0339)*		
27 14 23 16-0387		Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*		
27 14 23 16-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,387.13	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,399.86	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,412.22	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.81*	
27 14 23 16-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,424.95	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.80*	
27 14 23 16-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,449.86	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.85*	
27 14 23 16-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,504.92	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.24*	
27 14 23 16-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,542.56	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,636.47	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.42*	
27 14 23 16-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,730.74	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*156.82*	
27 14 23 16-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,823.60	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*158.91*	
27 14 23 16-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,953.42	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.02*	
27 14 23 16-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,202.41	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.53*	
27 14 23 16-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,483.98	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.38*	
27 14 23 16-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,713.80	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*221.47*	

27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*

27 14 23 16-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,505.62	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.41*	
27 14 23 16-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,636.13	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.59*	
27 14 23 16-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,643.50	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.99*	
27 14 23 16-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,897.83	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.09*	
27 14 23 16-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,159.37	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.92*	
27 14 23 16-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,569.00	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.12*	
27 14 23 16-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,961.40	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.62*	
27 14 23 16-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,764.99	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.62*	
27 14 23 16-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,568.41	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.02*	
27 14 23 16-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,374.44	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*261.72*	
27 14 23 16-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,218.11	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.90*	
27 14 23 16-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,926.02	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.06*	
27 14 23 16-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,744.74	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.59*	
27 14 23 16-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,426.67	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.15*	

27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*

27 14 23 16-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,423.67	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.45*	
27 14 23 16-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,517.76	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,611.70	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*145.76*	
27 14 23 16-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,705.79	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.90*	
27 14 23 16-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,949.52	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.69*	
27 14 23 16-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,188.52	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.50*	
27 14 23 16-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,481.37	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.44*	
27 14 23 16-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,048.22	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.71*	
27 14 23 16-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,625.67	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.14*	
27 14 23 16-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,205.11	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.45*	
27 14 23 16-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,814.38	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.20*	
27 14 23 16-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,050.74	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*442.41*	
27 14 23 16-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,177.86	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*457.34*	
27 14 23 16-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,581.74	649.33
		For Corrugated Coated Steel Tape Armored Cable, Add	*472.12*	

27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0338)*

Note: Excludes trenching.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*

27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,212.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.66*	
27 14 23 16-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,225.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.84*	
27 14 23 16-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,238.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.82*	
27 14 23 16-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,250.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.00*	
27 14 23 16-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,276.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.18*	
27 14 23 16-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,335.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.00*	
27 14 23 16-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,373.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.52*	
27 14 23 16-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,463.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.32*	
27 14 23 16-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,557.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.54*	
27 14 23 16-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,650.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.76*	
27 14 23 16-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,772.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.02*	
27 14 23 16-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,014.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*161.00*	
27 14 23 16-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,257.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.63*	
27 14 23 16-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,509.49	
		For Corrugated Coated Steel Tape Armored Cable, Add	*205.60*	

27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,332.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.41*	
27 14 23 16-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,462.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.14*	
27 14 23 16-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,595.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.49*	
27 14 23 16-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,727.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.02*	
27 14 23 16-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,990.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.11*	
27 14 23 16-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,407.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.85*	
27 14 23 16-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,802.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.24*	
27 14 23 16-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,605.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.59*	
27 14 23 16-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,414.45	
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.74*	
27 14 23 16-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,221.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.89*	
27 14 23 16-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,070.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*208.91*	
27 14 23 16-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,781.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.93*	
27 14 23 16-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,512.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*289.75*	
27 14 23 16-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,277.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.20*	

27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,268.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*99.94*	
27 14 23 16-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,364.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.18*	
27 14 23 16-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,460.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.24*	
27 14 23 16-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,579.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*130.05*	
27 14 23 16-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,748.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,048.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.53*	
27 14 23 16-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,333.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,877.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.70*	
27 14 23 16-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,513.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.37*	
27 14 23 16-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,101.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.52*	
27 14 23 16-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,721.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.65*	
27 14 23 16-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,976.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.82*	
27 14 23 16-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,251.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*330.05*	
27 14 23 16-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,545.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.17*	

27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*

27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,296.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,309.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,322.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.81*	
27 14 23 16-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,334.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.80*	
27 14 23 16-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,359.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.85*	
27 14 23 16-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,414.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.24*	
27 14 23 16-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,452.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.11*	
27 14 23 16-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,546.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.42*	
27 14 23 16-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,640.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*156.82*	
27 14 23 16-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,733.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*158.91*	
27 14 23 16-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,863.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.02*	
27 14 23 16-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,112.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.53*	
27 14 23 16-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,393.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.38*	
27 14 23 16-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,623.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*221.47*	

27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,415.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.41*	
27 14 23 16-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,545.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.59*	
27 14 23 16-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,553.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.99*	
27 14 23 16-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,807.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.09*	
27 14 23 16-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,069.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.92*	
27 14 23 16-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,478.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.12*	
27 14 23 16-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,871.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.62*	
27 14 23 16-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,674.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.62*	
27 14 23 16-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,478.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.02*	
27 14 23 16-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,284.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*261.72*	
27 14 23 16-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,127.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.90*	
27 14 23 16-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,835.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.06*	
27 14 23 16-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,654.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.59*	
27 14 23 16-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,336.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0510		62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*		
27 14 23 16-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,333.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.45*	
27 14 23 16-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,427.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,521.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*145.76*	
27 14 23 16-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,615.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.90*	
27 14 23 16-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,859.33	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.69*	
27 14 23 16-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,098.33	
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.50*	
27 14 23 16-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,391.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.44*	
27 14 23 16-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,958.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.71*	
27 14 23 16-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,535.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.14*	
27 14 23 16-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,114.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.45*	
27 14 23 16-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,724.19	
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.20*	
27 14 23 16-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,960.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*442.41*	
27 14 23 16-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,277.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*457.34*	
27 14 23 16-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,491.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*472.12*	
27 14 23 16-0525		(Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0338)*		
27 14 23 16-0526		Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0525)*		
27 14 23 16-0527		Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0526)*		
27 14 23 16-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,589.70	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.69*	
27 14 23 16-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,604.16	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.22*	
27 14 23 16-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,618.80	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.57*	
27 14 23 16-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,633.61	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.91*	
27 14 23 16-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,662.70	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.79*	
27 14 23 16-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,725.61	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.70*	
27 14 23 16-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,769.34	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.27*	
27 14 23 16-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,877.54	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.41*	
27 14 23 16-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,961.36	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*141.66*	
27 14 23 16-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,085.59	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.45*	
27 14 23 16-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,201.11	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.43*	
27 14 23 16-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,468.92	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*181.38*	
27 14 23 16-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,738.46	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*211.00*	
27 14 23 16-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,023.52	2,377.45
		For Corrugated Coated Steel Tape Armored Cable, Add	*234.35*	
27 14 23 16-0542		Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0338)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0542)*		
27 14 23 16-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,101.74	541.10
27 14 23 16-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,948.14	541.10
27 14 23 16-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,833.62	541.10
27 14 23 16-0547		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0542)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,181.28	541.10
27 14 23 16-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,662.28	541.10
27 14 23 16-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,766.29	541.10
27 14 23 16-0551		**Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0338)* Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0551)*		
27 14 23 16-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,011.55	496.02
27 14 23 16-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,857.95	496.02
27 14 23 16-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,743.43	496.02
27 14 23 16-0556		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0551)*		
27 14 23 16-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,091.09	496.02
27 14 23 16-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,572.09	496.02
27 14 23 16-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,676.10	496.02
27 14 23 16-0560		**Network Communications Cabling And Related Products** *(27 14 23 16)*		
27 14 23 16-0561	EA	AC Surge Suppression Assembly Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	265.62	11.27
27 14 23 16-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	445.14	13.53
27 14 23 16-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends Note: Includes testing.	23.95	1.45
27 14 23 16-0564	EA	KVM (Keyboard, Video, Mouse) Cable Note: Raritan CCP40. Includes testing.	54.13	1.81
27 14 23 16-0565	EA	6' Long USB (Universal Serial Bus) Cable Note: Includes testing.	8.64	1.45
27 14 23 16-0566	EA	10' Long USB (Universal Serial Bus) Cable Note: Includes testing.	10.21	1.81
27 14 23 16-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	10.98	1.45
27 14 23 16-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	12.55	1.81
27 14 23 16-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends Note: Includes testing.	17.82	1.45
27 14 23 16-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends Note: Includes testing.	38.31	1.81
27 14 23 16-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	30.24	1.45
27 14 23 16-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	38.31	1.81
27 14 23 16-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other Note: Includes testing.	56.04	1.45
27 14 23 16-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other Note: Includes testing.	56.04	1.45
27 14 23 16-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 006ESF-T41O1D20. Includes testing.	0.67	
27 14 23 16-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 012ESF-T41O1D20. Includes testing.	5.35	
27 14 23 16-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	6.52	
27 14 23 16-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	10.59	
27 14 23 16-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	16.63	
27 14 23 16-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	10.05	
27 14 23 16-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	15.37	
27 14 23 16-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	74.07	9.02
27 14 23 16-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	89.41	9.02
27 14 23 16-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.89	0.16
27 14 23 16-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	3.43	1.69
27 14 23 16-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.34	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.69	1.69

27 14 33 Communications Coaxial Cabling *(27 14)*

27 14 33 16 Communications Coaxial Cabling *(27 14 33)*

27 14 33 16-0001 Indoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0002 Coaxial, Indoor Telecommunications Cable *(27 14 33 16-0001)*

27 14 33 16-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 14 33 16-0002)*

27 14 33 16-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	984.61	378.78
27 14 33 16-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	1,992.38	378.78
27 14 33 16-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	891.61	432.89
27 14 33 16-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	2,479.54	432.89

27 14 33 16-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 14 33 16-0002)*

27 14 33 16-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,615.91	757.55
27 14 33 16-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,623.68	757.55
27 14 33 16-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,613.10	865.77
27 14 33 16-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,201.03	865.77

27 14 33 16-0013 Coaxial Distribution Cable *(27 14 33 16-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal

27 14 33 16-0014	MLF	RG-6/U Coaxial Distribution Cable, In Conduit	1,474.83	263.83
27 14 33 16-0015	MLF	RG-6A/U Coaxial Distribution Cable, In Conduit	4,864.84	263.83
27 14 33 16-0016	MLF	RG-8/U Coaxial Distribution Cable, In Conduit	2,679.14	278.68
27 14 33 16-0017	MLF	RG-8A/U Coaxial Distribution Cable, In Conduit	3,315.93	278.68
27 14 33 16-0018	MLF	RG-11/U Coaxial Distribution Cable, In Conduit	3,017.25	329.79
27 14 33 16-0019	MLF	RG-11A/U Coaxial Distribution Cable, In Conduit	4,248.75	329.79
27 14 33 16-0020	MLF	RG-11/U Coaxial Distribution Cable, In Plenum	9,476.07	659.59
27 14 33 16-0021	MLF	RG-58/U Coaxial Distribution Cable, In Conduit	1,117.79	230.86
27 14 33 16-0022	MLF	RG-58A/U Coaxial Distribution Cable, In Conduit	1,243.98	230.86
27 14 33 16-0023	MLF	RG-58C/U Coaxial Distribution Cable, In Conduit	1,466.26	230.86
27 14 33 16-0024	MLF	RG-58/U Coaxial Distribution Cable, In Plenum	3,495.32	461.71
27 14 33 16-0025	MLF	RG-59/U Coaxial Distribution Cable, In Conduit	1,707.32	230.86
27 14 33 16-0026	MLF	RG-59/U Coaxial Distribution Cable, In Plenum	4,156.70	461.71
27 14 33 16-0027	MLF	1/2" Hard Line Coaxial, In Conduit	1,872.86	461.71

27 14 33 16-0028 Outdoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 14 33 16-0028)*

Note: Corrugated steel armor jacket.

27 14 33 16-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	4,489.12	1,234.42
27 14 33 16-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	2,890.42	868.26
27 14 33 16-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	2,294.31	512.25
27 14 33 16-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,410.40	512.25
27 14 33 16-0034	MLF	TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit	2,130.80	800.40

27 14 43 Communications Faceplates And Connectors *(27 14)*

27 14 43 00-0001 Wall Mounted Telephone Faceplates *(27 14 43)*

Note: Includes standard telephone mounting studs.

27 14 43 00-0002 Plastic Faceplates For Wall Mounted Telephones *(27 14 43 00-0001)*

27 14 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	29.25	11.27

27 14 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones *(27 14 43 00-0001)*

27 14 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	22.26	4.51
27 14 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	40.43	11.27
27 14 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	47.26	13.53
27 14 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	21.49	4.51
27 14 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	37.16	11.27
27 14 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	44.08	13.53

27 14 43 00-0011 Plastic Communications Faceplates *(27 14 43)*

Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.

27 14 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.65	2.26
27 14 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.65	2.26
27 14 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.65	2.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.65	2.26
27 14 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.65	2.26
27 14 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	10.14	2.26
27 14 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	10.14	2.26
27 14 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	10.14	2.26
27 14 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	10.14	2.26
27 14 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	10.14	2.26
27 14 43 00-0022		Stainless Steel Communications Faceplates *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0023		Stainless Steel Communications Faceplates *(27 14 43 00-0022)*		
27 14 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	11.80	2.26
27 14 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	11.80	2.26
27 14 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	11.80	2.26
27 14 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	12.56	2.26
27 14 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	12.56	2.26
27 14 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	16.62	2.26
27 14 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	17.10	2.26
27 14 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	19.65	2.26
27 14 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	19.65	2.26
27 14 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	19.65	2.26
27 14 43 00-0034		Stainless Steel Communications Faceplates With Station ID *(27 14 43 00-0022)*		
27 14 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.53	2.26
27 14 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.53	2.26
27 14 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.53	2.26
27 14 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.53	2.26
27 14 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	16.53	2.26
27 14 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.59	2.26
27 14 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.59	2.26
27 14 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.59	2.26
27 14 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	34.59	2.26
27 14 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	34.59	2.26
27 14 43 00-0045		Surface Mount Plastic Communication Boxes *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	25.28	11.29
27 14 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	25.75	11.29
27 14 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	29.01	11.29
27 14 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	32.89	11.29
27 14 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	36.95	11.29
27 14 43 00-0051		Snap-In Modular Jacks *(27 14 43)*		
		Note: Includes termination.		
27 14 43 00-0052	EA	Cat 3, Snap-In Modular Jack	23.45	9.03
27 14 43 00-0053	EA	Cat 5E, Snap-In Modular Jack	24.49	9.03
27 14 43 00-0054	EA	Cat 5E Shielded, Snap-In Modular Jack	27.61	9.03
27 14 43 00-0055	EA	Cat 6, Snap-In Modular Jack	27.61	9.03
27 14 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack	31.11	9.03
27 14 43 00-0057	EA	Cat 6A, Snap-In Modular Jack	31.64	9.03
27 14 43 00-0058	EA	Voice, RJ-11, Snap-In Modular Jack	15.47	4.52
27 14 43 00-0059	EA	SC Type Fiber Optic, Snap-In Modular Jack	25.81	9.03
27 14 43 00-0060	EA	ST Type Fiber Optic, Snap-In Modular Jack	28.46	9.03
27 14 43 00-0061	EA	LC Type Fiber Optic, Snap-In Modular Jack	33.66	9.03
27 14 43 00-0062	EA	Blank Fill In, Snap-In Modular Jack	5.01	2.26
27 14 43 00-0063	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	5.65	2.26
27 14 43 00-0064	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	19.32	6.77
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*1.01*	
27 14 43 00-0065	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	19.51	6.77
		Note: Includes female to female connection.		
27 14 43 00-0066	EA	RCA Solder Coupler, Snap-In Modular Jack	40.57	9.03
27 14 43 00-0067	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	48.23	9.03
27 14 43 00-0068	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	24.21	9.03
27 14 43 00-0069	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	23.67	4.52
27 14 43 00-0070	EA	BNC Connector, Snap-In Modular Jack	27.33	9.03
27 14 43 00-0071	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	30.16	9.03
27 14 43 00-0072	PR	Speaker Connectors, Snap-In Modular Jack	40.80	13.55
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0073	EA	USB Audio Video Connector, Snap-In Modular Jack	43.21	9.03
27 14 43 00-0074		Communications Equipment Labeling *(27 14 43)*		
27 14 43 00-0075	EA	Label Both Ends Of One 4 Pair Cable	17.76	
27 14 43 00-0076	EA	Label single gang face plate (2 labels required)	14.20	
27 14 43 00-0077	EA	Label two gang face plate (4 labels required)	21.30	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0078	EA	Label both ends of a Siamese (dual 4 Pair cable)	17.76	

27 14 53 Communications Cable Innerduct *(27 14)*

Note: Includes pull rope. Excludes conduit.

27 14 53 00-0001 Indoor Innerduct *(27 14 53)*

27 14 53 00-0002 Indoor Innerduct, Installed In Conduit *(27 14 53 00-0001)*

27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit *(27 14 53 00-0002)*

27 14 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,319.00	1,352.77
27 14 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	4,325.27	1,803.69
27 14 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	5,670.90	2,254.62
27 14 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,664.12	2,705.53

27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 14 53 00-0002)*

27 14 53 00-0009	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,624.25	1,352.77
27 14 53 00-0010	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,852.41	1,803.69
27 14 53 00-0011	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,694.04	2,254.62
27 14 53 00-0012	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,274.62	2,705.53

27 14 53 00-0013 Indoor Innerduct, Installed Exposed *(27 14 53 00-0001)*

27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed *(27 14 53 00-0013)*

27 14 53 00-0015	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	4,220.85	1,803.69
27 14 53 00-0016	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	5,227.12	2,254.62
27 14 53 00-0017	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,572.75	2,705.53
27 14 53 00-0018	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	7,565.96	3,156.46

27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed *(27 14 53 00-0013)*

27 14 53 00-0020	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	5,526.10	1,803.69
27 14 53 00-0021	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	6,754.26	2,254.62
27 14 53 00-0022	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	8,595.89	2,705.53
27 14 53 00-0023	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	10,176.46	3,156.46

27 14 53 00-0024 Outdoor Innerduct *(27 14 53)*

27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit *(27 14 53 00-0024)*

27 14 53 00-0026	MLF	1" Outdoor Innerduct, Installed In Conduit	3,162.37	1,352.77
27 14 53 00-0027	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	4,094.30	1,803.69
27 14 53 00-0028	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	5,203.88	2,254.62
27 14 53 00-0029	MLF	2" Outdoor Innerduct, Installed In Conduit	6,222.16	2,705.53

27 14 53 00-0030 Outdoor Innerduct, Buried In Trench *(27 14 53 00-0024)*

27 14 53 00-0031	MLF	1" Outdoor Innerduct, Buried In Trench	2,260.53	
27 14 53 00-0032	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	3,192.45	
27 14 53 00-0033	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	4,302.03	
27 14 53 00-0034	MLF	2" Outdoor Innerduct, Buried In Trench	5,320.31	

27 14 63 Communications Multimedia Modular Patch Panels *(27 14)*

27 14 63 00-0001 Communications Multimedia Modular Patch Panels *(27 14 63)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.

27 14 63 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	75.24	4.51
27 14 63 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	82.92	4.51
27 14 63 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	97.79	4.51
27 14 63 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	102.36	4.51
27 14 63 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	112.13	5.63
27 14 63 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	106.14	4.51
27 14 63 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	133.20	5.63
27 14 63 00-0009	EA	Rack Mount Rear Cable Management Bar	37.79	5.63

27 16 Communications Connecting Cords, Devices, And Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	497.40	45.09
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	632.47	88.82

27 16 16 00-0004 Fiber Optic Transmitters *(27 16 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	497.40	45.09
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	632.47	88.82
27 16 16 00-0007		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	587.58	90.19
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	948.02	180.37
27 16 16 00-0010		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	671.80	180.37
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	671.80	180.37
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	871.91	270.56
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	293.19	67.64

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 16)*

27 16 19 00-0001		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	14.36	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	19.23	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	24.05	
27 16 19 00-0005		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	31.41	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	26.00	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.03	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	27.24	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	31.18	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	30.74	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0014		Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0015		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*		
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.14	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.62	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	57.04	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	44.81	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	52.69	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.83	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0022		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*		
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	40.64	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.18	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.54	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	45.68	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	40.79	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	45.88	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	53.54	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	37.54	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	45.21	
		For Each Additional Meter In Length, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0032		**Fiber Optic Cable Pig Tail** *(27 16 19)*		
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	57.48	31.56
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	70.31	31.56
27 16 19 00-0035		**Ethernet Patch Cords** *(27 16 19)*		
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	13.45	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	14.19	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	14.92	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	20.54	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	22.38	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	26.06	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	14.49	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	15.44	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	16.38	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	22.31	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	24.68	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	29.42	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	41.25	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	69.45	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	18.45	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	20.30	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	22.16	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	29.45	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	34.09	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	43.36	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	66.54	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	117.43	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		**Fiber Optic Modems** *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,039.42	180.37
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,887.76	180.37
27 21 16 00-0004		**Ethernet Hubs and Switches** *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	2,188.94	135.48
27 21 16 00-0006	EA	16 Port Unmanaged Hub	399.86	90.32
27 21 16 00-0007		**Network Equipment** *(27 21 16)*		
27 21 16 00-0008		**Communications Entrance Protection** *(27 21 16 00-0007)*		
27 21 16 00-0009	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	640.52	67.74
27 21 16 00-0010	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	7.78	0.90
27 21 16 00-0011		**Communications Cabinets, Racks, Frames And Enclosures** *(27 21 16 00-0007)*		
27 21 16 00-0012	EA	19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	769.84	67.74
27 21 16 00-0013	EA	10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	671.27	4.52
27 21 16 00-0014	EA	Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701)	124.48	18.06
27 21 16 00-0015		**Communications Termination Blocks And Patch Panels** *(27 21 16 00-0007)*		
27 21 16 00-0016		**Communications Termination Blocks** *(27 21 16 00-0015)*		
27 21 16 00-0017	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	240.90	13.53
27 21 16 00-0018	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	224.35	13.53
27 21 16 00-0019	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	534.75	13.53
27 21 16 00-0020	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	497.51	13.53
27 21 16 00-0021	EA	110 Connector System Mounting Brackets (CommScope 107535593)	77.00	13.53
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535585)	83.02	13.53
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107098816)	94.28	13.53
27 21 16 00-0024		**Communications Copper Patch Panels** *(27 21 16 00-0015)* Note: Excludes cabinet and terminations.		
27 21 16 00-0025	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	240.54	29.35
27 21 16 00-0026	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	435.92	36.13
27 21 16 00-0027	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	353.98	29.35
27 21 16 00-0028	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	658.08	36.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0029		Communications Optical Fiber Patch Panels *(27 21 16 00-0015)*		
27 21 16 00-0030		Closet Connector Housings *(27 21 16 00-0029)*		
27 21 16 00-0031	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	273.74	18.06
27 21 16 00-0032	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	318.68	18.06
27 21 16 00-0033	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	396.17	18.06
27 21 16 00-0034	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	86.18	9.03
27 21 16 00-0035	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	116.65	9.03
27 21 16 00-0036	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	96.94	9.03
27 21 16 00-0037	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	126.50	9.03
27 21 16 00-0038		Communications Cable Management *(27 21 16 00-0007)*		
27 21 16 00-0039		Horizontal Communication Cable Management *(27 21 16 00-0038)*		
27 21 16 00-0040	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	93.05	18.06
27 21 16 00-0041	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	96.00	18.06
27 21 16 00-0042		Vertical Communication Cable Management *(27 21 16 00-0038)*		
27 21 16 00-0043	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	538.06	45.16
27 21 16 00-0044	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	557.12	45.16
27 21 16 00-0045	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	600.08	45.16
27 21 16 00-0046		Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 21 16 00-0007)*		
27 21 16 00-0047		Premise Cross-Connect Wire *(27 21 16 00-0046)*		
27 21 16 00-0048	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	0.93	0.45
27 21 16 00-0049		Pathways For Communications Systems *(27 21 16 00-0007)*		
27 21 16 00-0050		Conduits And Backboxes For Communication Systems *(27 21 16 00-0049)*		
27 21 16 00-0051		Flexible Conduit For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0052	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	365.00	162.33
27 21 16 00-0053	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	519.27	162.33
27 21 16 00-0054		Tube Cables For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0055		Outdoor/All-Dielectric Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0056	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	310.21	108.22
27 21 16 00-0057	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	461.43	135.28
27 21 16 00-0058	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	763.72	162.33
27 21 16 00-0059		Indoor/Riser Rated Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0060	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	355.16	108.22
27 21 16 00-0061	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	433.89	121.75
27 21 16 00-0062	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	492.64	135.28
27 21 16 00-0063	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	904.80	162.33
27 21 16 00-0064		Indoor/Plenum Rated Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0065	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	261.52	108.22
27 21 16 00-0066	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	376.38	108.22
27 21 16 00-0067	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	578.72	121.75
27 21 16 00-0068	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	840.97	135.28
27 21 16 00-0069	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,609.00	162.33
27 21 16 00-0070		Unjacketed Single Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0071	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	226.56	108.22
27 21 16 00-0072		Multimode Fiber Bundles *(27 21 16 00-0054)* Note: Includes optical fiber cables.		
27 21 16 00-0073	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	96.56	32.47
27 21 16 00-0074	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	145.25	32.47
27 21 16 00-0075	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	197.69	32.47
27 21 16 00-0076	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	357.50	32.47
27 21 16 00-0077	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	517.58	37.88
27 21 16 00-0078	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	677.39	37.88

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0079		**Singlemode Fiber Bundles** *(27 21 16 00-0054)* Note: Includes optical fiber cables.		
27 21 16 00-0080	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	86.57	32.47
27 21 16 00-0081	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	107.80	32.47
27 21 16 00-0082	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	125.27	32.47
27 21 16 00-0083	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	158.98	32.47
27 21 16 00-0084	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	242.91	37.88
27 21 16 00-0085	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	319.07	37.88
27 21 16 00-0086		**Tube Distribution Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0087	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	187.41	45.16
27 21 16 00-0088		**Modular Fiber Termination Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0089	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	236.37	45.16
27 21 16 00-0090	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	251.85	45.16
27 21 16 00-0091		**Tube Distribution Accessories** *(27 21 16 00-0054)*		
27 21 16 00-0092	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	10.77	4.52
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	11.85	4.52
27 21 16 00-0094	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	14.65	4.52
27 21 16 00-0095		**Communications Optical Fiber Cabling** *(27 21 16 00-0007)*		
27 21 16 00-0096		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0095)*		
27 21 16 00-0097		**Field Installed Fiber Connectors** *(27 21 16 00-0096)*		
27 21 16 00-0098	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	31.13	6.77
27 21 16 00-0099	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	27.55	6.77
27 21 16 00-0100		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0096)*		
27 21 16 00-0101		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0100)* Note: Includes 900 micron tubing.		
27 21 16 00-0102	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	195.35	90.19
27 21 16 00-0103	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	199.10	90.19
27 21 16 00-0104	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	202.41	90.19
27 21 16 00-0105	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	212.68	90.19
27 21 16 00-0106	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	226.74	90.19
27 21 16 00-0107	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	237.18	90.19
27 21 16 00-0108		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0100)*		
27 21 16 00-0109	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	197.09	90.19
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	234.18	90.19
27 21 16 00-0111		**Communications Copper Cabling** *(27 21 16 00-0007)*		
27 21 16 00-0112		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0111)*		
27 21 16 00-0113		**Copper Communications Cable Splice Cases** *(27 21 16 00-0112)*		
27 21 16 00-0114	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	737.11	180.37
27 21 16 00-0115	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	844.68	180.37
27 21 16 00-0116	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,202.13	180.37
27 21 16 00-0117		**Modular Splice Connectors** *(27 21 16 00-0112)*		
27 21 16 00-0118	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	95.41	45.09
27 21 16 00-0119	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	94.25	45.09
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	95.43	45.09
27 21 16 00-0121	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	95.27	45.09

27 22 Data Communications Hardware *(27 20)*

27 22 19 Data Communications Servers *(27 22)*

27 22 19 00-0001		**Network Communications Frames And Enclosures** *(27 22 19)*		
27 22 19 00-0002	EA	Communications Equipment Enclosure Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72"Hx72"Wx36"D, .0125 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19"/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.	11,261.49	270.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 22 19 00-0003	EA	Wall Mounted Equipment Cabinet Note: Mid-Atlantic DWR-24-22 PD.	782.91	90.32
27 22 19 00-0004	EA	APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel Note: Ul 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.	6,146.60	
27 22 19 00-0005		APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel Note: Ul 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.	20,579.03	

27 24 Data Communications Peripheral Data Equipment *(27 20)*

27 24 33 Power Supplies, UPS And Battery Backup *(27 24)*

27 24 33 00-0001 Network Equipment *(27 24 33)*

27 24 33 00-0002	EA	19" Rack Mountable 110-24T Ethernet Switch Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.	344.63	30.03
27 24 33 00-0003	EA	19" Rack Mountable Station Access Router Note: Nortel Network part number SR2101031E5. Includes testing.	1,764.87	157.82
27 24 33 00-0004	EA	19" Rack Mount LCD Monitor Note: Nortel Network part number SR2101031E5. Includes testing.	844.51	72.15
27 24 33 00-0005	EA	1000VA UPS (Uninterruptible Power Supply) Note: APC SUA1000RM2U. Includes testing.	806.85	82.44
27 24 33 00-0006	EA	1000VA UPS (Uninterruptible Power Supply) Note: APC BR1000. Includes testing.	355.15	82.44
27 24 33 00-0007	EA	1200VA UPS (Uninterruptible Power Supply) Note: APC BR1200. Includes testing.	363.31	82.44

27 30 Voice Communications *(27)*

27 31 Voice Communications Switching and Routing Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems *(27 31)*

27 31 13 00-0001 Interior PBX Telephone System *(27 31 13)*

Note: Includes telephone instruments cabling and solid state switching.

27 31 13 00-0002 Interior PBX Telephone System *(27 31 13 00-0001)*

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,215.55	470.45

27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) *(27 31 13 00-0001)*

27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching	356.97	36.98

27 31 13 00-0006 Telephones *(27 31 13 00-0001)*

27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment	150.48	35.17
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment	174.19	46.90

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System *(27 32)*

27 32 19 00-0001 Components *(27 32 19)*

27 32 19 00-0002	EA	Solid State Exchange Unit With Power Supply	4,352.94	824.10
27 32 19 00-0003	EA	Dial Telephone - Handset In Cabinet	508.19	67.37
27 32 19 00-0004	EA	Elevator Cab Telephone With Trailer Cable	275.37	72.24
27 32 19 00-0005	EA	Loud Ring Bell, 6"	220.80	67.01
27 32 19 00-0006	EA	Audio/Visual Indicator	271.15	63.13
27 32 19 00-0007	EA	Administrative Telephone With Digital Display	278.25	56.64
27 32 19 00-0008	EA	Processing Unit For 16 Station System	1,462.05	462.02
27 32 19 00-0009	EA	Handset For 16 Station System	198.97	45.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0010	EA	Handset In Cabinet, For 16 Station System	269.42	62.05
27 32 19 00-0011	MLF	20 Conductor Unshielded Cable, #22	2,066.55	994.47
27 32 19 00-0012	EA	Power Supply For 16 Station System	280.00	122.74
27 32 19 00-0013	EA	Intercom Terminal Board	261.11	138.16
27 32 19 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	288.83	122.74
27 32 19 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	136.59	50.46
27 32 19 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	405.73	111.06
27 32 19 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	476.88	126.23
27 32 19 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	576.70	149.39
27 32 19 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	673.83	161.51
27 32 19 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,019.57	183.77
27 32 19 00-0021	EA	Ring Rung 3"	9.32	5.03
27 32 19 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	22.54	8.93
27 32 19 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	42.11	18.31

27 32 19 00-0024 Accessories *(27 32 19)*

27 32 19 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	9.91	4.87
27 32 19 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	20.45	18.76
27 32 19 00-0027	EA	Level 5, RJ-45 Jack, Dual Flush Mounted - Complete	48.12	20.61
27 32 19 00-0028	EA	Level 5, RJ-45 Jack, Wall Mount - Complete	46.59	20.61
27 32 19 00-0029	EA	Terminating Strips, Inside	93.92	41.23
27 32 19 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	44.16	21.19
27 32 19 00-0031	EA	Ready Access Closure 3 To 25 Pair	113.33	49.69
27 32 19 00-0032	EA	Ready Access Closure 25 To 100 Pair	130.15	55.55
27 32 19 00-0033	EA	Termination Block With Bracket 25 Pair	40.91	16.68
27 32 19 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	43.42	20.92
27 32 19 00-0035	EA	Interior Protected Terminal 25 Pair	400.43	120.49
27 32 19 00-0036	EA	Interior Protected Terminal 50 Pair	455.41	122.38
27 32 19 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	161.43	50.14
27 32 19 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	165.11	50.14
27 32 19 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	216.08	64.12
27 32 19 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	432.02	115.53
27 32 19 00-0041	EA	Entrance Protector Terminal 100 Pair	571.43	131.85
27 32 19 00-0042	EA	Gas Protection Module	11.14	4.51
27 32 19 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	15.91	4.12

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Standard features include: CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,450.58	370.27
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,757.54	370.27
27 32 26 00-0004	EA	Analog Speakerphone With Black “Info” Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	102.32	
27 32 26 00-0005	EA	Analog Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)	153.48	
27 32 26 00-0006	EA	IP Speakerphone With Single Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP1)	383.69	
27 32 26 00-0007	EA	IP Speakerphone With Back “Info” Button And Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP2)	521.82	
27 32 26 00-0008	EA	IP Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K)	572.98	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	10.23	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	10.23	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	92.09	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	972.03	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	450.20	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,458.04	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	3,064.44	
27 32 26 00-0016	EA	Active Venting Code Blue Option	163.71	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	1,427.34	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	358.12	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	813.43	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	35.81	

27 32 26 00-0021 City Police Call System *(27 32 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0022		Components *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	510.63	105.16
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	483.20	152.32

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*

See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0012 for basic wiring.

27 41 16 00-0002 Television Support System *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	313.38	101.16
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	394.64	112.90
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	324.74	101.16
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	405.99	112.90
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	247.50	81.29
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	328.74	90.32
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	262.40	81.29
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	343.65	90.32
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	277.31	81.29
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	358.55	90.32

27 41 16 00-0013 Distribution System *(27 41 16 00-0001)*

See CSI section 26 05 13 00-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack *(27 41 16 00-0013)*

27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	978.39	165.85
27 41 16 00-0016	EA	Switch And Pilot Light	173.40	73.68
27 41 16 00-0017	LF	Surface Raceway With Outlets	21.29	10.01
27 41 16 00-0018	EA	Service Label	26.10	13.80

27 41 16 00-0019 Head End Amplifier *(27 41 16 00-0013)*

27 41 16 00-0020	EA	Head End Amplifier	652.66	110.39

27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*

27 41 16 00-0022	EA	UHF In-Line Booster	401.48	110.39

27 41 16 00-0023 Preamplifiers *(27 41 16 00-0013)*

27 41 16 00-0024	EA	VHF Preamplifier	489.93	110.39
27 41 16 00-0025	EA	UHF Preamplifier	401.48	110.39

27 41 16 00-0026 Power Supplies *(27 41 16 00-0013)*

27 41 16 00-0027	EA	Common Power Supply	699.90	157.73

27 41 16 00-0028 Line Splitter And Mixer *(27 41 16 00-0013)*

27 41 16 00-0029	EA	Line Splitter	70.77	36.80
27 41 16 00-0030	EA	Two-Way Splitter	77.81	36.80
27 41 16 00-0031	EA	Frequency Filter	160.99	55.28
27 41 16 00-0032	EA	Line Splitter And Mixer	215.18	81.17

27 41 16 00-0033 Power Line Filters *(27 41 16 00-0013)*

27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	297.22	73.68

27 41 16 00-0035 Wall Box And Receiver Outlets *(27 41 16 00-0013)*

27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	160.99	55.28
27 41 16 00-0037	EA	TV Receiver Outlet Plug	77.81	36.80
27 41 16 00-0038	EA	TV Camera Outlet Plug	77.81	36.80
27 41 16 00-0039	EA	Audio Outlet Plug	68.99	36.80
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	142.44	73.68
27 41 16 00-0041	EA	Male Plug PL-259	77.81	36.80
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	95.82	38.60

27 41 16 00-0043 Metal And Electric Shop Antenna Systems *(27 41 16)*

27 41 16 00-0044 Antenna *(27 41 16 00-0043)*

27 41 16 00-0045	EA	Amateur Radio Antenna	620.10	135.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0046	EA	Multi-Band Radio Antenna	493.40	135.28
27 41 16 00-0047		Receptacles *(27 41 16 00-0043)*		
27 41 16 00-0048	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	152.15	55.28
27 41 16 00-0049	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	152.15	55.28

27 50 Distributed Communications And Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 23 Intercommunications And Program Systems *(27 51)*

27 51 23 20 Commercial Intercommunications And Program Systems *(27 51 23)*

27 51 23 20-0001		Intercom *(27 51 23 20)*		
27 51 23 20-0002	EA	Aiphone Intercom, Master	1,114.62	
27 51 23 20-0003	EA	Aiphone Intercom, Remotes	414.48	

27 51 33 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 33 00-0001		Amplifiers *(27 51 33)*		
27 51 33 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	341.19	90.32
27 51 33 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	461.52	90.32
27 51 33 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	538.77	90.32
27 51 33 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	593.88	90.32
27 51 33 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	727.43	90.32
27 51 33 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	927.13	90.32
27 51 33 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	37.30	4.52
27 51 33 00-0009		Speakers *(27 51 33)*		
27 51 33 00-0010	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	147.74	24.17
27 51 33 00-0011	EA	8" Steel Baffle (Atlas Sound 51-8)	42.66	4.51
27 51 33 00-0012	EA	T-Bar Support (Atlas Sound EZ95-8)	46.87	4.51
27 51 33 00-0013	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	69.39	4.51
27 51 33 00-0014	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	70.00	8.12
27 51 33 00-0015		Accessories *(27 51 33)*		
27 51 33 00-0016	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	175.40	11.29
27 51 33 00-0017	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	386.08	11.29
27 51 33 00-0018	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	109.10	22.58
27 51 33 00-0019	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	191.05	22.58
27 51 33 00-0020	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	143.12	22.55
27 51 33 00-0021	EA	Microphone Jack For Audio/Video System	73.19	22.58
27 51 33 00-0022	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	561.24	90.32
27 51 33 00-0023	EA	Volume Control For Audio/Video System (Bogen AT10A)	70.53	22.58
27 51 33 00-0024		Remove And Reinstall Speakers *(27 51 33)* Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0025	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	126.26	

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 00-0001		Wired Self-Corrective Clock Systems *(27 53 13)*		
27 53 13 00-0002		Wired Self-Corrective Clocks *(27 53 13 00-0001)*		
27 53 13 00-0003		Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 00-0002)*		
27 53 13 00-0004		24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 00-0003)*		
27 53 13 00-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	175.44	22.55
		For >50 To 100, Deduct	*-11.96*	
		For >100, Deduct	*-17.18*	
27 53 13 00-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	408.09	22.55
		For >50 To 100, Deduct	*-21.27*	
		For >100, Deduct	*-35.79*	
27 53 13 00-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	218.34	22.55
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-22.34*	
27 53 13 00-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	536.79	22.55
		For >50 To 100, Deduct	*-55.92*	
		For >100, Deduct	*-75.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0009		**120 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 00-0003)*		
27 53 13 00-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	175.44	22.55
		For >50 To 100, Deduct	*-11.96*	
		For >100, Deduct	*-17.18*	
27 53 13 00-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	408.09	22.55
		For >50 To 100, Deduct	*-21.27*	
		For >100, Deduct	*-35.79*	
27 53 13 00-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	218.34	22.55
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-22.34*	
27 53 13 00-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	536.79	22.55
		For >50 To 100, Deduct	*-55.92*	
		For >100, Deduct	*-75.59*	
27 53 13 00-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 00-0003)*		
27 53 13 00-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	142.17	11.27
27 53 13 00-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	39.05	11.27
27 53 13 00-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	48.54	11.27
27 53 13 00-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	58.44	11.27
27 53 13 00-0019	EA	Combination Back Box For Speaker And Clock	92.17	18.04
27 53 13 00-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 00-0002)*		
27 53 13 00-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	215.04	22.55
		For Surface Mount, Add	*33.99*	
		For >50 To 100, Deduct	*-10.20*	
		For >100, Deduct	*-17.00*	
27 53 13 00-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	327.24	22.55
		For Surface Mount, Add	*56.43*	
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-28.22*	
27 53 13 00-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	215.04	22.55
		For Surface Mount, Add	*33.99*	
		For >50 To 100, Deduct	*-10.20*	
		For >100, Deduct	*-17.00*	
27 53 13 00-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	327.24	22.55
		For Surface Mount, Add	*56.43*	
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-28.22*	
27 53 13 00-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	184.93	22.55
		For >50 To 100, Deduct	*-8.39*	
		For >100, Deduct	*-13.98*	
27 53 13 00-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	300.01	22.55
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-25.49*	
27 53 13 00-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	184.93	22.55
		For >50 To 100, Deduct	*-8.39*	
		For >100, Deduct	*-13.98*	
27 53 13 00-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	300.01	22.55
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-25.49*	
27 53 13 00-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 00-0020)*		
27 53 13 00-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	192.50	11.27
27 53 13 00-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	48.95	11.27
27 53 13 00-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	66.27	11.27
27 53 13 00-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	168.57	11.27
27 53 13 00-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	50.19	11.27
27 53 13 00-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 00-0001)*		
27 53 13 00-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 00-0039)*		
27 53 13 00-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	2,007.44	180.37
27 53 13 00-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	2,131.19	180.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 00-0039)*		
27 53 13 00-0044	EA	5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	215.18	45.09
27 53 13 00-0045	EA	10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	241.17	45.09
27 53 13 00-0046		**Other Clock And Program Systems** *(27 53 13)*		
27 53 13 00-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,072.85	90.19
27 53 13 00-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	1,337.85	180.37
27 53 13 00-0049	EA	Program Bell (Lathem 906-6)	176.13	45.09
27 53 13 00-0050	EA	Combination Clock And Speaker	405.76	112.73

END OF SECTION 27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 42 Gas Detection and Alarm *(28 40)*

28 42 00 00-0001 Hydrogen Gas Detection *(28 42)*

28 42 00 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,052.42	33.87
28 42 00 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	61.09	11.29
28 42 00 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	282.28	33.87

28 42 00 00-0005 Monitoring System For Underground Tanks *(28 42)*

28 42 00 00-0006 Continuous Leak Detection System *(28 42 00 00-0005)*

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 00 00-0007	EA	Single Channel Underground Tank Monitoring System	3,272.83	369.76
28 42 00 00-0008	EA	2 Channel Underground Tank Monitoring System	4,409.26	493.31
28 42 00 00-0009	EA	3 Channel Underground Tank Monitoring System	6,049.71	528.48
28 42 00 00-0010	EA	4 Channel Underground Tank Monitoring System	6,682.12	739.51
28 42 00 00-0011	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	4,185.98	63.13
28 42 00 00-0012	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	3,774.27	56.37
28 42 00 00-0013	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	4,950.79	63.13
28 42 00 00-0014	EA	Tank Leak Detection Probe	1,525.80	13.53
28 42 00 00-0015	EA	Secondary Containment Collar Probe	190.45	5.41
28 42 00 00-0016	EA	Interstitial Leak Detection Probe	350.60	11.27
28 42 00 00-0017	EA	Liquid Phase Detection	1,153.24	33.82
28 42 00 00-0018	EA	Hydrocarbon Vapor, Fixed	1,067.40	33.82
28 42 00 00-0019	EA	Hydrocarbon Vapor, Float Mounted	1,243.36	38.33
28 42 00 00-0020	EA	Liquid And Vapor Hydrocarbon	1,415.05	38.33

28 43 Fuel Oil Detection And Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm *(28 40)*

28 46 11 Fire Sensors and Detectors *(28 46)*

28 46 11 11 Linear Heat Detection Sensors *(28 46 11)*

28 46 11 11-0001 Protectowire Fire Alarm *(28 46 11 11)*

28 46 11 11-0002 Linear Heat Detector Cable *(28 46 11 11-0001)*

28 46 11 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	3.28
28 46 11 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	3.53
28 46 11 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	3.53
28 46 11 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	3.78
28 46 11 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	4.36
28 46 11 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	4.61
28 46 11 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	46.49
28 46 11 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	16.71
28 46 11 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	6.25
28 46 11 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	6.25
28 46 11 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	7.19
28 46 11 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	11.18
28 46 11 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	11.51
28 46 11 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.87
28 46 11 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.18
28 46 11 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.10

28 46 20 Fire Alarm *(28 46)*

28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations *(28 46 20)*

28 46 21 33-0001 Edwards Fire Alarm *(28 46 21 33)*

28 46 21 33-0002 EST3 Life Safety And Security Control *(28 46 21 33-0001)*

28 46 21 33-0003 EST3 Network *(28 46 21 33-0002)*

28 46 21 33-0004 Remote Annunciators *(28 46 21 33-0003)*

28 46 21 33-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	906.57	67.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	745.26	67.74
28 46 21 33-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	933.35	67.74
28 46 21 33-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	607.57	67.74
28 46 21 33-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	117.00	22.58
28 46 21 33-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	403.08	67.74
28 46 21 33-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	405.95	67.74
28 46 21 33-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	450.23	67.74
28 46 21 33-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	507.35	45.16
28 46 21 33-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	84.98	22.58
28 46 21 33-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,067.18	67.74
28 46 21 33-0016	EA	Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	885.94	22.58

28 46 21 33-0017 Remote Annunciators Cabinets *(28 46 21 33-0003)*

28 46 21 33-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	90.70	22.58
28 46 21 33-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	81.67	18.06
28 46 21 33-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	100.81	22.58
28 46 21 33-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	91.78	18.06
28 46 21 33-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	110.29	22.58
28 46 21 33-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	101.26	18.06

28 46 21 33-0024 Audio And Telephone Masters *(28 46 21 33-0003)*

28 46 21 33-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,887.29	90.32
28 46 21 33-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	1,628.42	90.32
28 46 21 33-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,526.15	90.32
28 46 21 33-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,541.87	90.32
28 46 21 33-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	1,754.27	90.32
28 46 21 33-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,824.72	45.16

28 46 21 33-0031 Battery Distribution Unit *(28 46 21 33-0003)*

28 46 21 33-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	360.05	269.72

28 46 21 33-0033 Remote Booster Power Supply *(28 46 21 33-0003)*

28 46 21 33-0034	EA	6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A)	528.93	67.74
28 46 21 33-0035	EA	10 Amp. 110 VAC Booster Power Supply (EST3 BPS10)	598.93	67.74
28 46 21 33-0036	EA	10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	650.52	67.74
28 46 21 33-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	92.40	22.58

28 46 21 33-0038 Batteries And Battery Cabinets *(28 46 21 33-0003)*

28 46 21 33-0039	EA	1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours))	73.17	22.58
28 46 21 33-0040	EA	4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours))	88.38	22.58
28 46 21 33-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours))	193.31	22.58
28 46 21 33-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours))	94.47	22.58
28 46 21 33-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours))	242.02	22.58
28 46 21 33-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours))	141.18	22.58
28 46 21 33-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours))	479.33	22.58
28 46 21 33-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours))	144.32	22.58
28 46 21 33-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours))	574.75	22.58
28 46 21 33-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours))	85.42	22.58
28 46 21 33-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours))	77.82	22.58
28 46 21 33-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	259.99	45.16
28 46 21 33-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2) Note: Holds up to two 12V17A batteries.	219.03	45.16
28 46 21 33-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	715.74	90.32
28 46 21 33-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	877.00	90.32
28 46 21 33-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	1,211.39	90.32

28 46 21 33-0055 Serial Printer *(28 46 21 33-0003)*

28 46 21 33-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	919.40	22.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0057		Intelligent Analog Initiating Devices *(28 46 21 33-0002)*		
28 46 21 33-0058		Detectors, Signature *(28 46 21 33-0057)*		
28 46 21 33-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	159.47	33.87
28 46 21 33-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	177.17	33.87
28 46 21 33-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	154.19	33.87
28 46 21 33-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	138.37	33.87
28 46 21 33-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	143.65	33.87
28 46 21 33-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	120.73	33.87
28 46 21 33-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	120.73	33.87
28 46 21 33-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	181.88	33.87
28 46 21 33-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	199.16	33.87
28 46 21 33-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	166.27	33.87
28 46 21 33-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	231.98	33.87
28 46 21 33-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	141.74	33.87
28 46 21 33-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	141.74	33.87
28 46 21 33-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	188.35	33.87
28 46 21 33-0073		Detectors, Duct Housings and Accessories, Signature *(28 46 21 33-0057)*		
28 46 21 33-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	316.70	56.45
28 46 21 33-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	15.85	
28 46 21 33-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	44.65	13.55
28 46 21 33-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	84.35	18.06
28 46 21 33-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	111.12	18.06
28 46 21 33-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	53.06	18.06
28 46 21 33-0080		Detectors, Smoke, Beam *(28 46 21 33-0057)*		
28 46 21 33-0081	EA	Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	104.05	
28 46 21 33-0082	EA	Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) Note: Includes controller and remote mount transmitter and receiver head.	1,215.03	33.87
28 46 21 33-0083	EA	Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	76.91	11.29
28 46 21 33-0084	EA	Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01)	90.46	11.29
28 46 21 33-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,244.04	33.87
28 46 21 33-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,063.07	33.87
28 46 21 33-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	248.84	11.29
28 46 21 33-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	1,257.62	33.87
28 46 21 33-0089		Modules, Signature *(28 46 21 33-0057)*		
28 46 21 33-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	145.69	22.58
28 46 21 33-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	98.98	22.58
28 46 21 33-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	136.89	22.58
28 46 21 33-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	131.58	22.58
28 46 21 33-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	124.60	22.58
28 46 21 33-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	147.51	22.58
28 46 21 33-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	119.25	22.58
28 46 21 33-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	115.79	22.58
28 46 21 33-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	151.05	22.58
28 46 21 33-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	147.51	22.58
28 46 21 33-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	142.24	22.58
28 46 21 33-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	131.30	108.72
28 46 21 33-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	98.98	22.58
28 46 21 33-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	147.18	22.58
28 46 21 33-0104		Module Accessories, Signature *(28 46 21 33-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 46 21 33-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	40.30	11.29
28 46 21 33-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	129.87	22.58
28 46 21 33-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	16.19	6.77
28 46 21 33-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	46.40	11.29
28 46 21 33-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	42.02	11.29
28 46 21 33-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	43.75	11.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0111		**Single Action Pull Stations, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	169.76	46.97
28 46 21 33-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	196.21	46.97
28 46 21 33-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	22.47	17.96
28 46 21 33-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	27.56	23.05
28 46 21 33-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	47.56	29.49
28 46 21 33-0117		**Double Action Pull Stations, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	175.03	46.97
28 46 21 33-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	27.94	4.52
28 46 21 33-0120		**Detector Bases and Accessories, Signature** *(28 46 21 33-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 33-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	79.44	11.29
28 46 21 33-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	33.22	11.29
28 46 21 33-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	97.80	11.29
28 46 21 33-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	57.93	11.29
28 46 21 33-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	66.74	11.29
28 46 21 33-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	102.02	11.29
28 46 21 33-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	40.30	11.29
28 46 21 33-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	16.26	6.77
28 46 21 33-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	16.26	6.77
28 46 21 33-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	40.08	6.77
28 46 21 33-0131	EA	Detector Base With Isolator (EST3 SIGA-IB)	65.85	11.29
28 46 21 33-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	69.63	11.29
28 46 21 33-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	59.26	11.29
28 46 21 33-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	59.26	11.29
28 46 21 33-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	34.53	11.29
28 46 21 33-0136		**Controllers, Signature** *(28 46 21 33-0057)*		
28 46 21 33-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	1,991.14	67.74
28 46 21 33-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	1,158.09	67.74
28 46 21 33-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,044.38	67.74
28 46 21 33-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	1,650.31	67.74
28 46 21 33-0141		**Relays And Accessories** *(28 46 21 33-0057)*		
28 46 21 33-0142	EA	Multi Voltage Relay (EST3 MR101)	116.69	22.58
28 46 21 33-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	37.40	11.29
28 46 21 33-0144		**Notification Appliances** *(28 46 21 33-0002)*		
28 46 21 33-0145		**Wall Strobes, Horns And Chimes** *(28 46 21 33-0144)*		
28 46 21 33-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	105.45	33.87
28 46 21 33-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	105.45	33.87
28 46 21 33-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	117.73	33.87
28 46 21 33-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	91.61	33.87
28 46 21 33-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	91.61	33.87
28 46 21 33-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	91.61	33.87
28 46 21 33-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	91.61	33.87
28 46 21 33-0153	EA	Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P)	79.98	33.87
28 46 21 33-0154	EA	Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	79.98	33.87
28 46 21 33-0155	EA	Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	79.98	33.87
28 46 21 33-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	167.86	33.87
28 46 21 33-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	167.86	33.87
28 46 21 33-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	116.24	33.87
28 46 21 33-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	116.24	33.87
28 46 21 33-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	105.45	33.87
28 46 21 33-0161	EA	Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	105.45	33.87
28 46 21 33-0162	EA	Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	105.45	33.87
28 46 21 33-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	105.45	33.87
28 46 21 33-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	108.90	33.87
28 46 21 33-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	108.90	33.87
28 46 21 33-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	116.98	33.87
28 46 21 33-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	108.90	33.87
28 46 21 33-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	108.90	33.87
28 46 21 33-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	72.42	33.87
28 46 21 33-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	72.42	33.87

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0171		**Wall Speakers And Speaker Strobes** *(28 46 21 33-0144)*		
28 46 21 33-0172	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	90.57	33.87
28 46 21 33-0173	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	129.52	33.87
28 46 21 33-0174	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	90.57	33.87
28 46 21 33-0175	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	129.52	33.87
28 46 21 33-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	45.62	18.06
28 46 21 33-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	45.62	18.06
28 46 21 33-0178		**Ceiling Speakers And Speaker Strobes** *(28 46 21 33-0144)*		
28 46 21 33-0179	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	104.70	33.87
28 46 21 33-0180	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	129.52	33.87
28 46 21 33-0181	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	137.38	33.87
28 46 21 33-0182		**Harsh Environment Signals** *(28 46 21 33-0144)*		
28 46 21 33-0183	EA	Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T)	95.03	33.87
28 46 21 33-0184	EA	15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T)	126.03	33.87
28 46 21 33-0185	EA	110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T)	126.03	33.87
28 46 21 33-0186	EA	15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T)	116.81	33.87
28 46 21 33-0187	EA	15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T)	110.68	33.87
28 46 21 33-0188	EA	30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T)	116.81	33.87
28 46 21 33-0189	EA	60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T)	116.81	33.87
28 46 21 33-0190	EA	110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T)	116.81	33.87
28 46 21 33-0191	EA	15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	129.65	38.39
28 46 21 33-0192	EA	110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	129.65	38.39
28 46 21 33-0193	EA	15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T)	97.47	33.87
28 46 21 33-0194	EA	30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T)	120.77	33.87
28 46 21 33-0195		**Fire Alarm Bells** *(28 46 21 33-0144)*		
28 46 21 33-0196	EA	10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW)	134.63	33.87
28 46 21 33-0197	EA	6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW)	111.48	33.87
28 46 21 33-0198	EA	10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW)	121.36	33.87
28 46 21 33-0199		**Multiple Tone Signal** *(28 46 21 33-0144)*		
28 46 21 33-0200	EA	27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW)	762.52	728.65
28 46 21 33-0201		**Multi-Purpose Loudspeaker** *(28 46 21 33-0144)*		
28 46 21 33-0202	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	171.56	33.87
28 46 21 33-0203	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	171.56	33.87
28 46 21 33-0204		**Bell/Strobe Plate** *(28 46 21 33-0144)*		
28 46 21 33-0205	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	87.30	18.06
28 46 21 33-0206		**Mounting Accessories** *(28 46 21 33-0144)*		
28 46 21 33-0207	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	46.34	18.06
28 46 21 33-0208	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	46.34	18.06
28 46 21 33-0209	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	46.34	18.06
28 46 21 33-0210	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	46.34	18.06
28 46 21 33-0211	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	46.34	18.06
28 46 21 33-0212		**Firefighters' Telephones** *(28 46 21 33-0144)*		
28 46 21 33-0213	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	697.32	56.45
28 46 21 33-0214	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	405.11	56.45
28 46 21 33-0215	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	291.89	56.45
28 46 21 33-0216	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	221.67	56.45
28 46 21 33-0217	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	392.02	56.45
28 46 21 33-0218	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	246.73	56.45
28 46 21 33-0219	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	438.39	56.45
28 46 21 33-0220	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	255.08	56.45
28 46 21 33-0221	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	497.77	56.45
28 46 21 33-0222	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	59.57	18.06
28 46 21 33-0223	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	68.21	18.06
28 46 21 33-0224	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	84.60	
28 46 21 33-0225	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	84.60	
28 46 21 33-0226	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	136.32	22.58
28 46 21 33-0227	EA	Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	166.56	22.58
28 46 21 33-0228	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	121.21	22.58
28 46 21 33-0229	EA	Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	116.76	22.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0230	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	95.37	33.87
28 46 21 33-0231	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	712.91	45.16
28 46 21 33-0232		**Mass Notification EC Appliances** *(28 46 21 33-0144)*		
28 46 21 33-0233	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	108.93	33.87
28 46 21 33-0234	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	105.79	33.87
28 46 21 33-0235	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	108.93	33.87
28 46 21 33-0236	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	105.79	33.87
28 46 21 33-0237	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	17.30	6.77
28 46 21 33-0238		**Hazardous Location Devices** *(28 46 21 33-0002)*		
28 46 21 33-0239		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 21 33-0238)*		
28 46 21 33-0240	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	98.92	33.87
28 46 21 33-0241	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	98.92	33.87
28 46 21 33-0242	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	101.53	33.87
28 46 21 33-0243	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	101.53	33.87
28 46 21 33-0244	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	132.72	33.87
28 46 21 33-0245	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	132.72	33.87
28 46 21 33-0246	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	101.53	33.87
28 46 21 33-0247	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	101.53	33.87
28 46 21 33-0248		**Hazardous Locations Fire Alarm Station** *(28 46 21 33-0238)*		
28 46 21 33-0249	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	736.93	56.45
28 46 21 33-0250	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	703.03	56.45
28 46 21 33-0251		**Hazardous Location Strobes** *(28 46 21 33-0238)*		
28 46 21 33-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,068.22	33.87
28 46 21 33-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	202.06	11.29
28 46 21 33-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	263.69	13.55
28 46 21 33-0255	EA	Pendant Mounting Module (EST3 116EX-P)	195.45	13.55
28 46 21 33-0256		**Hazardous Location Bells** *(28 46 21 33-0238)*		
28 46 21 33-0257	EA	6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW)	775.95	33.87
28 46 21 33-0258	EA	8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	795.58	33.87
28 46 21 33-0259	EA	10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW)	802.65	33.87
28 46 21 33-0260		**Hazardous Location Horns** *(28 46 21 33-0238)*		
28 46 21 33-0261	EA	Hazardous Location Horns (EST3 888D-N5)	759.04	33.87
28 46 21 33-0262	EA	Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW)	623.22	33.87
28 46 21 33-0263		**Door Holders And Relays** *(28 46 21 33-0002)*		
28 46 21 33-0264		**Electromagnetic Door Holders** *(28 46 21 33-0263)*		
28 46 21 33-0265	EA	Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	150.80	33.87
28 46 21 33-0266	EA	Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5)	190.20	33.87
28 46 21 33-0267	EA	Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5)	130.69	33.87
28 46 21 33-0268	EA	Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5)	130.69	33.87
28 46 21 33-0269	EA	Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5)	132.51	33.87
28 46 21 33-0270	EA	Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5)	134.24	33.87
28 46 21 33-0271		**Control Relays, Multi-Voltage** *(28 46 21 33-0263)*		
28 46 21 33-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	30.45	6.77
28 46 21 33-0273		**FireShield Plus** *(28 46 21 33-0002)*		
28 46 21 33-0274		**3 Zone System** *(28 46 21 33-0273)*		
28 46 21 33-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	863.70	270.97
28 46 21 33-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,240.55	361.29
28 46 21 33-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	863.70	270.97

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)		1,240.55	361.29
28 46 21 33-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)		56.52	11.29
28 46 21 33-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)		56.52	11.29
28 46 21 33-0281		5 Zone System *(28 46 21 33-0273)*			
28 46 21 33-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)		918.64	270.97
28 46 21 33-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)		1,292.34	361.29
28 46 21 33-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)		918.64	270.97
28 46 21 33-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)		1,292.34	361.29
28 46 21 33-0286	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)		56.52	11.29
28 46 21 33-0287	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)		56.52	11.29
28 46 21 33-0288		10 Zone System *(28 46 21 33-0273)*			
28 46 21 33-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)		1,311.18	361.29
28 46 21 33-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)		1,688.03	451.61
28 46 21 33-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)		1,287.63	361.29
28 46 21 33-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)		1,688.03	451.61
28 46 21 33-0293	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)		65.02	11.29
28 46 21 33-0294	EA	NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120)		119.90	22.58
28 46 21 33-0295		FireShield Plus Off Premise Communication Options *(28 46 21 33-0273)*			
28 46 21 33-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)		249.21	22.58
28 46 21 33-0297		FireShield Plus Remote LED Annunciators *(28 46 21 33-0273)*			
28 46 21 33-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)		118.67	33.87
28 46 21 33-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)		118.67	33.87
28 46 21 33-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)		122.68	33.87
28 46 21 33-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)		23.76	6.77
28 46 21 33-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)		28.88	6.77
28 46 21 33-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)		41.19	6.77
28 46 21 33-0304		FireShield Plus Remote 10 Zone LED Annunciators *(28 46 21 33-0273)*			
28 46 21 33-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)		334.58	33.87
28 46 21 33-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)		365.97	33.87
28 46 21 33-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)		123.64	22.58
28 46 21 33-0308		FireShield Plus Remote Relays And Interfaces *(28 46 21 33-0273)*			
28 46 21 33-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)		130.05	22.58
28 46 21 33-0310	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)		56.02	13.55
28 46 21 33-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)		200.55	22.58
28 46 21 33-0312		FireShield Plus Accessories *(28 46 21 33-0273)*			
28 46 21 33-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)		12.77	
28 46 21 33-0314	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)		8.48	
28 46 21 33-0315		iO Series Fire Control Panels *(28 46 21 33-0002)*			
28 46 21 33-0316		Intelligent Analog Control Panels *(28 46 21 33-0315)*			
28 46 21 33-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)		2,635.19	451.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,787.45	451.61
28 46 21 33-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	2,104.39	361.29
28 46 21 33-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,175.03	361.29
28 46 21 33-0321		**Option Modules And Accessories For iO Series** *(28 46 21 33-0315)*		
28 46 21 33-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	224.70	33.87
28 46 21 33-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	146.22	33.87
28 46 21 33-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	146.22	33.87
28 46 21 33-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	123.64	22.58
28 46 21 33-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	240.18	18.06
28 46 21 33-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	428.54	18.06
28 46 21 33-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	55.54	11.29
28 46 21 33-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	63.39	11.29
28 46 21 33-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	796.65	45.16
28 46 21 33-0331		**Remote Annunciators For iO Series** *(28 46 21 33-0315)*		
28 46 21 33-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	440.52	33.87
28 46 21 33-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	460.15	33.87
28 46 21 33-0334		**Remote Annunciator Accessories** *(28 46 21 33-0315)*		
28 46 21 33-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	53.97	11.29
28 46 21 33-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	38.28	11.29
28 46 21 33-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	50.04	11.29
28 46 21 33-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	146.22	33.87
28 46 21 33-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	165.84	33.87
28 46 21 33-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	185.46	33.87
28 46 21 33-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	38.28	11.29
28 46 21 33-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	38.28	11.29
28 46 21 33-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	72.57	11.29
28 46 21 33-0344		**System Accessories** *(28 46 21 33-0315)*		
28 46 21 33-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1)	259.99	45.16
28 46 21 33-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,258.13	361.29
28 46 21 33-0347		**Conventional Initiating Devices** *(28 46 21 33-0002)*		
28 46 21 33-0348		**Detectors, Heat, Double Pole** *(28 46 21 33-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	110.03	33.87
28 46 21 33-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	110.03	33.87
28 46 21 33-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	110.03	33.87
28 46 21 33-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	110.03	33.87
28 46 21 33-0353		**Detectors, Rate Compensation Heat, Accessories** *(28 46 21 33-0347)*		
28 46 21 33-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	73.67	33.87
28 46 21 33-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	164.42	18.06
28 46 21 33-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	60.45	22.58
28 46 21 33-0357		**Detectors, Heat, Fire-Lite** *(28 46 21 33-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	102.48	33.87
28 46 21 33-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	102.48	33.87
28 46 21 33-0360		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 21 33-0002)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0361		**Audio Notification Panels** *(28 46 21 33-0360)*		
28 46 21 33-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,234.11	451.61
28 46 21 33-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,234.11	451.61
28 46 21 33-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,472.84	451.61
28 46 21 33-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,472.84	451.61
28 46 21 33-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,849.56	451.61
28 46 21 33-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,849.56	451.61
28 46 21 33-0368		**Audio Notification Expander Panels** *(28 46 21 33-0360)*		
28 46 21 33-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,535.63	451.61
28 46 21 33-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,535.63	451.61
28 46 21 33-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,797.91	451.61
28 46 21 33-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,797.91	451.61
28 46 21 33-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,229.55	451.61
28 46 21 33-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,229.55	451.61
28 46 21 33-0375		**Audio Notification Output Accessories** *(28 46 21 33-0360)*		
28 46 21 33-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	93.21	11.29
28 46 21 33-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	398.33	22.58
28 46 21 33-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	398.33	22.58
28 46 21 33-0379	EA	Class A Converter (GE ANSZSC4A)	288.45	22.58
28 46 21 33-0380		**Audio Notification Remote Microphone** *(28 46 21 33-0360)*		
28 46 21 33-0381	EA	Microphone (GE ANSMIKE)	115.79	22.58
28 46 21 33-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	437.57	22.58
28 46 21 33-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	437.57	22.58
28 46 21 33-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	101.06	11.29
28 46 21 33-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	57.89	11.29
28 46 21 33-0386		**Audio Notification Accessories** *(28 46 21 33-0360)*		
28 46 21 33-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	186.43	22.58
28 46 21 33-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	186.43	22.58
28 46 21 33-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	186.43	22.58
28 46 21 33-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	398.33	22.58
28 46 21 33-0391		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 21 33-0360)*		
28 46 21 33-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	1,432.35	45.16
28 46 21 33-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	1,502.98	45.16
28 46 21 33-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	2,068.05	45.16
28 46 21 33-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	796.65	45.16
28 46 21 33-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	796.65	45.16
28 46 21 33-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,432.35	45.16
28 46 21 33-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	1,149.82	45.16
28 46 21 33-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,220.45	45.16
28 46 21 33-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	1,785.52	45.16
28 46 21 33-0401	EA	Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180)	93.21	11.29
28 46 21 33-0402	EA	Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885)	70.48	11.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0403		**Simplex Fire Alarm** *(28 46 21 33)*		
28 46 21 33-0404		**4100 Fire Alarm Control Panel** *(28 46 21 33-0403)*		
28 46 21 33-0405	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	4,081.83	450.93
28 46 21 33-0406	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141)	4,408.17	450.93
28 46 21 33-0407	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	6,117.38	450.93
28 46 21 33-0408	EA	IDNet Module, Up To 127 Points (Simplex 4100-3104) Note: Add-on module.	2,799.38	450.93
28 46 21 33-0409	EA	IDNet Module, Up To 64 Points (Simplex 4100-3105) Note: Add-on module.	2,301.70	450.93
28 46 21 33-0410	EA	Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101) Note: Add-on module.	1,202.13	112.73
28 46 21 33-0411	EA	Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	250.88	22.55
28 46 21 33-0412	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	696.21	22.55
28 46 21 33-0413		**4100U Backbox** *(28 46 21 33-0403)*		
28 46 21 33-0414	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	1,236.31	90.19
28 46 21 33-0415	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	1,720.50	90.19
28 46 21 33-0416		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 21 33-0403)*		
28 46 21 33-0417	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	674.51	45.09
28 46 21 33-0418		**4010 Fire Alarm Control Panel** *(28 46 21 33-0403)*		
28 46 21 33-0419	EA	120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,881.87	450.93
28 46 21 33-0420	EA	240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,914.86	450.93
28 46 21 33-0421	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	141.23	22.55
28 46 21 33-0422	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	578.54	22.55
28 46 21 33-0423	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	791.54	22.55
28 46 21 33-0424	EA	120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	411.72	22.55
28 46 21 33-0425	EA	240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	444.70	22.55
28 46 21 33-0426	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	173.27	22.55
28 46 21 33-0427		**Printer** *(28 46 21 33-0403)*		
28 46 21 33-0428	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,191.83	22.55
28 46 21 33-0429		**NAC Panel / Power Booster** *(28 46 21 33-0403)*		
28 46 21 33-0430	EA	IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201) Note: Power supply for horns and strobes.	825.08	112.73
28 46 21 33-0431		**Battery** *(28 46 21 33-0403)*		
28 46 21 33-0432	EA	50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	489.39	22.55
28 46 21 33-0433	EA	33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	329.28	22.55
28 46 21 33-0434	EA	6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	126.48	22.55
28 46 21 33-0435		**Interface Modules** *(28 46 21 33-0403)*		
28 46 21 33-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.	104.48	22.55
28 46 21 33-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	203.31	22.55
28 46 21 33-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	57.92	22.55
28 46 21 33-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	105.57	22.55
28 46 21 33-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	47.66	11.27
28 46 21 33-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	45.57	11.27

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0442		**Pull Stations** *(28 46 21 33-0403)*		
28 46 21 33-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	125.68	22.55
28 46 21 33-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	93.22	22.55
28 46 21 33-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	99.49	22.55
28 46 21 33-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	90.40	22.55
28 46 21 33-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	103.69	22.55
28 46 21 33-0448	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	151.44	22.55
28 46 21 33-0449	EA	Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	128.79	22.55
28 46 21 33-0450	EA	Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	149.72	22.55
28 46 21 33-0451	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	75.79	22.55
28 46 21 33-0452	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	79.61	22.55
28 46 21 33-0453	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	91.95	22.55
28 46 21 33-0454	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	136.77	22.55
28 46 21 33-0455	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	228.44	22.55
28 46 21 33-0456	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	82.76	22.55
28 46 21 33-0457	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	49.76	11.27
28 46 21 33-0458		**Weatherproof Pull Stations** *(28 46 21 33-0403)*		
28 46 21 33-0459	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	125.27	27.06
28 46 21 33-0460	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	77.56	11.27
28 46 21 33-0461		**Heat / Smoke Sensor** *(28 46 21 33-0403)*		
28 46 21 33-0462	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	129.28	33.82
28 46 21 33-0463	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	180.65	33.82
28 46 21 33-0464	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	324.90	11.27
28 46 21 33-0465	EA	Standard Sensor Base (Simplex 4098-9792)	167.86	11.27
28 46 21 33-0466	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	104.86	22.55
28 46 21 33-0467		**Explosion Proof Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0468	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	135.85	33.82
28 46 21 33-0469	EA	Explosion Proof Backbox (Killark JLX-21)	83.25	11.27
28 46 21 33-0470	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	8.22	2.25
28 46 21 33-0471		**Weatherproof Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0472	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	102.85	33.82
28 46 21 33-0473		**200 Degree F Heat Detector** *(28 46 21 33-0403)*		
28 46 21 33-0474	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	88.09	33.82
28 46 21 33-0475		**Duct Smoke Sensor** *(28 46 21 33-0403)*		
28 46 21 33-0476	EA	Duct Sensor Housing (Simplex 4098-9755)	267.13	18.04
28 46 21 33-0477	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	368.37	40.58
28 46 21 33-0478	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	44.38	11.27
28 46 21 33-0479	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	109.07	33.82
28 46 21 33-0480		**Interior Horn** *(28 46 21 33-0403)*		
28 46 21 33-0481	EA	Red With White “FIRE” Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	102.21	33.82
28 46 21 33-0482	EA	White With Red “FIRE” Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	102.21	33.82
28 46 21 33-0483		**Interior Horn Strobe** *(28 46 21 33-0403)*		
28 46 21 33-0484	EA	Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	134.85	33.82
28 46 21 33-0485	EA	Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	134.85	33.82
28 46 21 33-0486	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	127.40	33.82
28 46 21 33-0487	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	127.40	33.82
28 46 21 33-0488	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	127.40	33.82
28 46 21 33-0489	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	127.40	33.82
28 46 21 33-0490	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	129.90	33.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0491	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	129.90	33.82
28 46 21 33-0492	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	134.29	33.82
28 46 21 33-0493	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	132.27	33.82
28 46 21 33-0494	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	134.29	33.82
28 46 21 33-0495	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	132.27	33.82
28 46 21 33-0496	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	127.40	33.82
28 46 21 33-0497	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	127.40	33.82
28 46 21 33-0498	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	127.40	33.82
28 46 21 33-0499	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	127.40	33.82

28 46 21 33-0500 Interior Strobe *(28 46 21 33-0403)*

28 46 21 33-0501	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	111.58	33.82
28 46 21 33-0502	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	111.58	33.82
28 46 21 33-0503	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	111.55	33.82
28 46 21 33-0504	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	111.58	33.82
28 46 21 33-0505	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	121.04	33.82
28 46 21 33-0506	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	121.04	33.82
28 46 21 33-0507	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	121.65	33.82
28 46 21 33-0508	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	123.30	33.82
28 46 21 33-0509	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	123.30	33.82
28 46 21 33-0510	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	123.30	33.82
28 46 21 33-0511	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	111.58	33.82
28 46 21 33-0512	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	111.58	33.82
28 46 21 33-0513	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	111.58	33.82
28 46 21 33-0514	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	111.58	33.82

28 46 21 33-0515 Interior Speakers *(28 46 21 33-0403)*

28 46 21 33-0516	EA	Red With White “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	94.20	33.82
28 46 21 33-0517	EA	White With Red “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	94.20	33.82
28 46 21 33-0518	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	94.20	33.82

28 46 21 33-0519 Interior Speaker Strobe *(28 46 21 33-0403)*

28 46 21 33-0520	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	142.22	33.82
28 46 21 33-0521	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	142.22	33.82

28 46 21 33-0522 Surge Suppressors *(28 46 21 33-0403)*

28 46 21 33-0523	EA	Overvoltage Suppressor (Simplex 2081-9044)	83.98	6.76
28 46 21 33-0524	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	54.99	6.76
28 46 21 33-0525	EA	120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	175.80	6.76
28 46 21 33-0526	EA	24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	62.46	6.76
28 46 21 33-0527	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	94.67	11.27
28 46 21 33-0528	EA	120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	67.31	6.76
28 46 21 33-0529	EA	<105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	51.37	6.76

28 46 21 33-0530 Boxes And Adapters *(28 46 21 33-0403)*

28 46 21 33-0531	EA	Semi-Flush Mount Modular Adapter Using Standard 4” Square Electrical Box (Simplex 4905-9921)	45.57	11.27
28 46 21 33-0532	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	43.48	11.27
28 46 21 33-0533	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	39.37	11.27
28 46 21 33-0534	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	33.55	11.27

28 46 21 33-0535 Accessories *(28 46 21 33-0403)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0536	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	24.98	11.27
28 46 21 33-0537		Siemens Fire Alarm *(28 46 21 33)*		
28 46 21 33-0538		Conventional Control Panels *(28 46 21 33-0537)*		
28 46 21 33-0539		SXL Batteries And Power Supplies *(28 46 21 33-0538)*		
28 46 21 33-0540	EA	6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	703.21	45.09
28 46 21 33-0541	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	570.99	45.09
28 46 21 33-0542		Digital Fire Communicators *(28 46 21 33-0538)*		
28 46 21 33-0543	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	553.56	45.09
28 46 21 33-0544		Addressable Control Panels *(28 46 21 33-0537)*		
28 46 21 33-0545		Fireseeker Equipment *(28 46 21 33-0544)*		
28 46 21 33-0546		FS-250 System Panels *(28 46 21 33-0545)*		
28 46 21 33-0547	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	1,873.06	450.93
28 46 21 33-0548	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,276.93	450.93
28 46 21 33-0549	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	1,406.61	360.74
28 46 21 33-0550	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,875.46	450.93
28 46 21 33-0551		FS-250 Optional Modules *(28 46 21 33-0545)*		
28 46 21 33-0552	EA	Main Board Module (Siemens FS-MB2)	708.02	45.09
28 46 21 33-0553	EA	Display Board Module (Siemens FS-DB2)	545.12	22.55
28 46 21 33-0554	EA	Device Loop Card (Siemens FS-DLC)	448.96	22.55
28 46 21 33-0555	EA	Releasing Module (Siemens FS-REL)	206.16	22.55
28 46 21 33-0556	EA	Remote LCD Annunciator (Siemens FS-RD2)	445.96	22.55
28 46 21 33-0557	EA	Relay Processor Card (Siemens FS-RU2)	388.86	22.55
28 46 21 33-0558	EA	Relay Expander Board (Siemens FS-RE8)	333.57	22.55
28 46 21 33-0559	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	445.96	22.55
28 46 21 33-0560	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	350.40	22.55
28 46 21 33-0561	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	319.75	22.55
28 46 21 33-0562	EA	Municipal Tie Module (Siemens FS-MT)	273.47	22.55
28 46 21 33-0563	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	262.68	
28 46 21 33-0564	EA	Programming Cable Kit (Siemens CBL-UD)	68.83	11.27
28 46 21 33-0565	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	125.02	22.55
28 46 21 33-0566	EA	Releasing Power Transformer (Siemens FS-RPT-A)	126.83	22.55
28 46 21 33-0567	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	139.44	18.04
28 46 21 33-0568	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	217.27	11.27
28 46 21 33-0569		Firefinder Systems *(28 46 21 33-0544)*		
28 46 21 33-0570		XLS Basic Fire System Packages Without Backbox *(28 46 21 33-0569)*		
28 46 21 33-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,222.84	450.93
28 46 21 33-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,536.50	450.93
28 46 21 33-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,536.50	450.93
28 46 21 33-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	8,947.78	450.93
28 46 21 33-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	9,232.65	450.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,467.39	450.93
28 46 21 33-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,467.39	450.93
28 46 21 33-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,270.32	450.93
28 46 21 33-0579		**Firefinder - XLS Basic System Equipment** *(28 46 21 33-0569)*		
28 46 21 33-0580	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	2,904.97	450.93
28 46 21 33-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	4,678.52	450.93
28 46 21 33-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	2,904.97	450.93
28 46 21 33-0583	EA	Two Slot Card Cage (Siemens CC-2)	343.19	22.55
28 46 21 33-0584	EA	Five Slot Card Cage (Siemens CC-5)	572.17	22.55
28 46 21 33-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	812.57	22.55
28 46 21 33-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	848.03	22.55
28 46 21 33-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	275.87	22.55
28 46 21 33-0588	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	961.01	22.55
28 46 21 33-0589	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	549.33	22.55
28 46 21 33-0590	EA	12 Amp Power Supply Charger Module (Siemens PSC-12)	2,048.22	22.55
28 46 21 33-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,706.71	450.93
28 46 21 33-0592	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	640.68	22.55
28 46 21 33-0593	EA	12 Amp Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	1,705.65	22.55
28 46 21 33-0594	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	297.51	22.55
28 46 21 33-0595	EA	Conventional Detector Card (Siemens CDC-4)	617.84	22.55
28 46 21 33-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	1,199.01	22.55
28 46 21 33-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,280.94	22.55
28 46 21 33-0598		**Remote Lobby Enclosure** *(28 46 21 33-0569)*		
28 46 21 33-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	833.66	90.19
28 46 21 33-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,062.04	90.19
28 46 21 33-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	137.04	22.55
28 46 21 33-0602	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	148.46	22.55
28 46 21 33-0603		**Battery Enclosures** *(28 46 21 33-0569)*		
28 46 21 33-0604	EA	Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT)	535.56	90.19
28 46 21 33-0605		**Graphic Annunciator Output Drivers And Inputs** *(28 46 21 33-0569)*		
28 46 21 33-0606	EA	Output Control Module (Siemens OCM-16)	400.28	22.55
28 46 21 33-0607	EA	Supervised Input Module (Siemens SIM-16)	400.28	22.55
28 46 21 33-0608		**Remote LCD Displays** *(28 46 21 33-0569)*		
28 46 21 33-0609	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	936.41	67.64
28 46 21 33-0610	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,051.20	67.64
28 46 21 33-0611		**Voice Equipment** *(28 46 21 33-0569)*		
28 46 21 33-0612	EA	40W Zone Amplifier Card (Siemens ZAC-40)	905.72	22.55
28 46 21 33-0613	EA	180W Zone Amplifier Module (Siemens ZAM-180)	1,991.73	22.55
28 46 21 33-0614	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	846.22	22.55
28 46 21 33-0615		**MXL Series Equipment** *(28 46 21 33-0544)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0616		MXL Optional Equipment *(28 46 21 33-0615)*		
28 46 21 33-0617	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	986.88	45.09
28 46 21 33-0618	EA	CXL/MXL Interface Module (Siemens CMI-300)	2,497.17	22.55
28 46 21 33-0619	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	439.35	22.55
28 46 21 33-0620	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	527.69	22.55
28 46 21 33-0621	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	206.76	22.55
28 46 21 33-0622	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	132.84	22.55
28 46 21 33-0623	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	513.87	22.55
28 46 21 33-0624	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	199.86	33.82
28 46 21 33-0625	EA	Lexan Window For RCC (Siemens GENBOX-WD)	132.83	18.04
28 46 21 33-0626	EA	Input Driver Module (Siemens MID-16)	341.38	22.55
28 46 21 33-0627	EA	Programmable Output Driver Module (Siemens MOD-16)	341.38	22.55
28 46 21 33-0628	EA	MXL Output/Input Module (Siemens MOI-7)	538.51	22.55
28 46 21 33-0629	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	292.70	22.55
28 46 21 33-0630	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	453.17	22.55
28 46 21 33-0631	EA	12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220)	1,121.52	67.64
28 46 21 33-0632	EA	12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240)	1,121.52	67.64
28 46 21 33-0633	EA	Network Interface Module (Siemens NIM-1W)	796.94	22.55
28 46 21 33-0634	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	2,103.57	90.19
28 46 21 33-0635	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	242.82	22.55
28 46 21 33-0636	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	2,503.50	450.93
28 46 21 33-0637	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	302.34	45.09
28 46 21 33-0638	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	2,503.50	450.93
28 46 21 33-0639	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	309.55	45.09
28 46 21 33-0640	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	1,983.64	450.93
28 46 21 33-0641	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	2,842.47	450.93
28 46 21 33-0642	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	49.59	11.27
28 46 21 33-0643	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,215.39	45.09
28 46 21 33-0644	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	6,819.59	45.09
28 46 21 33-0645	EA	Releasing End Of Line Module (Siemens REL-EOL)	110.60	22.55
28 46 21 33-0646	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,059.67	45.09
28 46 21 33-0647	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	1,967.71	45.09
28 46 21 33-0648	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,082.47	90.19
28 46 21 33-0649		Complete MXL And MXLV System Packages Without Enclosure *(28 46 21 33-0615)*		
28 46 21 33-0650	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	7,962.74	450.93
28 46 21 33-0651	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	10,215.29	450.93
28 46 21 33-0652	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	20,735.19	450.93
28 46 21 33-0653		MXL Basic System *(28 46 21 33-0615)*		
28 46 21 33-0654	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	5,128.42	450.93
28 46 21 33-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	6,474.06	450.93
28 46 21 33-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,741.14	45.09
28 46 21 33-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,175.06	45.09
28 46 21 33-0658	EA	6 Amp Power Supply For MXL (Siemens MPS-6)	784.36	67.64
28 46 21 33-0659	EA	220/240 VAC Adapter Cable (Siemens CIA-12)	61.61	11.27
28 46 21 33-0660		MXL/MXLR System Expansion Accessories *(28 46 21 33-0615)*		
28 46 21 33-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1)	954.44	67.64
28 46 21 33-0662	EA	Style 4 Communication Module (Siemens NET-4)	200.75	22.55
28 46 21 33-0663	EA	Style 7 Communication Module (Siemens NET-7)	355.21	22.55
28 46 21 33-0664	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	218.18	22.55
28 46 21 33-0665		Peripheral Devices *(28 46 21 33-0544)*		
28 46 21 33-0666		Thermal Detectors *(28 46 21 33-0665)*		
28 46 21 33-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	97.09	33.82
28 46 21 33-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	97.09	33.82
28 46 21 33-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	97.09	33.82
28 46 21 33-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	97.09	33.82
28 46 21 33-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	142.16	33.82
28 46 21 33-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	142.16	33.82
28 46 21 33-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	324.27	33.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0674		**Beam Smoke Detector** *(28 46 21 33-0665)*		
28 46 21 33-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	1,479.71	33.82
28 46 21 33-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	171.60	11.27
28 46 21 33-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	173.40	11.27
28 46 21 33-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	91.67	11.27
28 46 21 33-0679		**Bases For Detectors** *(28 46 21 33-0665)*		
28 46 21 33-0680	EA	Detector Base (Siemens DB-11)	31.57	11.27
28 46 21 33-0681	EA	Universal Base (Siemens DB-3S)	29.76	11.27
28 46 21 33-0682		**Manual Stations** *(28 46 21 33-0665)*		
28 46 21 33-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	197.75	27.06
28 46 21 33-0684		**Addressable Devices** *(28 46 21 33-0544)*		
28 46 21 33-0685		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 21 33-0684)*		
28 46 21 33-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	171.01	33.82
28 46 21 33-0687	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	149.98	33.82
28 46 21 33-0688	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	125.34	33.82
28 46 21 33-0689	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	89.88	33.82
28 46 21 33-0690	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	89.88	33.82
28 46 21 33-0691	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	171.90	22.55
28 46 21 33-0692	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	164.69	22.55
28 46 21 33-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	132.84	22.55
28 46 21 33-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	159.88	22.55
28 46 21 33-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	159.88	22.55
28 46 21 33-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	123.82	22.55
28 46 21 33-0697	EA	Line Isolator Module (Siemens HLIM)	127.43	22.55
28 46 21 33-0698	EA	Remote Convention Zone Module (Siemens HZM)	182.72	22.55
28 46 21 33-0699	EA	Intelligent Control Point Module (Siemens HCP)	228.39	22.55
28 46 21 33-0700	EA	Handheld Programming And Testing Unit (Siemens DPU)	960.11	
28 46 21 33-0701	EA	DPU Carrying Case (Siemens DPU-C1)	150.56	
28 46 21 33-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	1,646.15	22.55
28 46 21 33-0703		**Air Duct Housings And Detectors** *(28 46 21 33-0684)*		
28 46 21 33-0704	EA	Air-Duct Housing (Siemens AD2-P)	184.52	18.04
28 46 21 33-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	207.35	18.04
28 46 21 33-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	170.70	22.55
28 46 21 33-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	25.55	6.76
28 46 21 33-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	31.86	9.02
28 46 21 33-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	39.98	11.27
28 46 21 33-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	46.89	13.53
28 46 21 33-0711		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 21 33-0684)*		
28 46 21 33-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	177.62	33.82
28 46 21 33-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	155.39	33.82
28 46 21 33-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	194.45	33.82
28 46 21 33-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	167.69	22.55
28 46 21 33-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	183.92	22.55
28 46 21 33-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	169.50	22.55
28 46 21 33-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	186.33	22.55
28 46 21 33-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	186.33	22.55
28 46 21 33-0720		**Detector Universal Bases** *(28 46 21 33-0684)*		
28 46 21 33-0721	EA	Detector Base With Relay (Siemens DB-X11RS)	79.65	11.27
28 46 21 33-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	43.59	11.27
28 46 21 33-0723	EA	Locking Kit (Siemens LK-11)	9.50	
28 46 21 33-0724	EA	Detector Base With Relay (Siemens DB-X3RS)	79.65	11.27
28 46 21 33-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	91.67	11.27
28 46 21 33-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	41.78	11.27
28 46 21 33-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	20.74	6.76
28 46 21 33-0728	EA	Seal For DB-11 (Siemens DB11-SEAL)	10.95	
28 46 21 33-0729	EA	Gasket For DB-11 (Siemens DB-SEAL)	11.74	
28 46 21 33-0730	EA	Detector Guard Housing (Siemens DGH-11)	113.90	11.27
28 46 21 33-0731	EA	Small Detector Base (Siemens DB-11E)	33.97	11.27
28 46 21 33-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A)	102.48	11.27
28 46 21 33-0733	EA	Base Plug (Siemens DB-11-DP)	9.48	
28 46 21 33-0734		**Air Duct Smoke Detectors** *(28 46 21 33-0684)*		
28 46 21 33-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	93.77	22.55
28 46 21 33-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	433.94	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0737		Notification Devices *(28 46 21 33-0544)*		
28 46 21 33-0738		Synchronization Control Devices *(28 46 21 33-0737)*		
28 46 21 33-0739	EA	Dual Synchronization Control Module (Siemens DSC)	132.84	22.55
28 46 21 33-0740		Stand Alone Strobes *(28 46 21 33-0737)*		
28 46 21 33-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	118.72	33.82
28 46 21 33-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	127.74	33.82
28 46 21 33-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	118.72	33.82
28 46 21 33-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	127.74	33.82
28 46 21 33-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	127.74	33.82
28 46 21 33-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	118.72	33.82
28 46 21 33-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	134.35	33.82
28 46 21 33-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	129.54	33.82
28 46 21 33-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	129.54	33.82
28 46 21 33-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	137.36	33.82
28 46 21 33-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	137.36	33.82
28 46 21 33-0752		Horns And Strobes *(28 46 21 33-0737)*		
28 46 21 33-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	154.18	33.82
28 46 21 33-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	162.00	33.82
28 46 21 33-0755	EA	Wall Mounted Horn (Siemens SE-R)	97.09	33.82
28 46 21 33-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	154.18	33.82
28 46 21 33-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	162.00	33.82
28 46 21 33-0758	EA	Ceiling Mounted Horn (Siemens SEC-R)	100.70	33.82
28 46 21 33-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	154.18	33.82
28 46 21 33-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	162.00	33.82
28 46 21 33-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	97.09	33.82
28 46 21 33-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	154.18	33.82
28 46 21 33-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	162.00	33.82
28 46 21 33-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	100.70	33.82
28 46 21 33-0765	EA	Mini Horn (Siemens MH-R)	83.87	33.82
28 46 21 33-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	101.90	33.82
28 46 21 33-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	146.37	33.82
28 46 21 33-0768	EA	Industrial Tri-Tone Horn (Siemens ASR)	383.16	33.82
28 46 21 33-0769	EA	Wall Mounted Horn (Siemens HS-R)	101.90	33.82
28 46 21 33-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	146.97	33.82
28 46 21 33-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	156.59	33.82
28 46 21 33-0772	EA	6" Motor Bell (Siemens MBDC-6)	113.92	33.82
28 46 21 33-0773	EA	10" Motor Bell (Siemens MBDC-10)	122.93	33.82
28 46 21 33-0774		Mounting Accessories *(28 46 21 33-0737)*		
28 46 21 33-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	29.76	11.27
28 46 21 33-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	29.76	11.27
28 46 21 33-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	30.36	11.27
28 46 21 33-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	44.79	11.27
28 46 21 33-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	36.97	11.27
28 46 21 33-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	38.78	11.27
28 46 21 33-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	41.18	11.27
28 46 21 33-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	33.97	11.27
28 46 21 33-0783	EA	Semi-Flush Plate (Siemens SFPS-R)	29.16	11.27
28 46 21 33-0784	EA	Square Surface Backbox (Siemens SHBBS-R)	33.97	11.27
28 46 21 33-0785	EA	Horn Adapter Plate (Siemens SHMPS-R)	32.77	11.27
28 46 21 33-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	29.76	11.27
28 46 21 33-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	36.97	11.27
28 46 21 33-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	38.78	11.27
28 46 21 33-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R)	37.57	11.27
28 46 21 33-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	41.18	11.27
28 46 21 33-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	41.18	11.27
28 46 21 33-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	41.18	11.27
28 46 21 33-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	38.78	11.27
28 46 21 33-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	38.78	11.27
28 46 21 33-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	29.76	11.27
28 46 21 33-0796	EA	Z Series Backbox (Siemens ZBB-R)	32.77	11.27
28 46 21 33-0797		Door Holders *(28 46 21 33-0737)*		
28 46 21 33-0798	EA	120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	222.70	33.82
28 46 21 33-0799	EA	24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	222.70	33.82
28 46 21 33-0800		Voice Equipment *(28 46 21 33-0544)*		
28 46 21 33-0801		Voicecom *(28 46 21 33-0800)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0802	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,374.96	450.93
28 46 21 33-0803	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,208.00	450.93
28 46 21 33-0804		**Johnson Controls Fire Alarm** *(28 46 21 33)*		
28 46 21 33-0805	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	137.71	33.82
28 46 21 33-0806	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	136.41	33.82
28 46 21 33-0807	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	166.26	33.82
28 46 21 33-0808	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	165.84	33.82
28 46 21 33-0809	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	432.84	45.09
28 46 21 33-0810	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	131.06	33.82
28 46 21 33-0811	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	118.71	33.82
28 46 21 33-0812	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	116.09	33.82
28 46 21 33-0813	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	317.39	33.82
28 46 21 33-0814	EA	100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100)	1,496.88	67.64
28 46 21 33-0815	EA	AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E)	1,451.35	67.64
28 46 21 33-0816	EA	120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120)	1,475.91	67.64
28 46 21 33-0817	EA	AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E)	1,414.58	67.64
28 46 21 33-0818	EA	30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30)	706.01	67.64
28 46 21 33-0819	EA	AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E)	706.01	67.64
28 46 21 33-0820	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	684.74	22.55
28 46 21 33-0821	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	711.78	22.55
28 46 21 33-0822	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	525.75	22.55
28 46 21 33-0823	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	525.75	22.55
28 46 21 33-0824	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	374.11	22.55
28 46 21 33-0825	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	1,193.03	45.09
28 46 21 33-0826	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	525.75	22.55
28 46 21 33-0827	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	546.07	22.55
28 46 21 33-0828	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	472.43	22.55
28 46 21 33-0829	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	472.43	22.55
28 46 21 33-0830	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	87.45	20.29
28 46 21 33-0831	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	728.01	45.09
28 46 21 33-0832	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	1,560.65	45.09
28 46 21 33-0833	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	728.01	45.09
28 46 21 33-0834	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	1,560.65	45.09
28 46 21 33-0835	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	33.58	11.27
28 46 21 33-0836	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	81.01	11.27
28 46 21 33-0837	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	76.72	11.27
28 46 21 33-0838	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	35.41	11.27
28 46 21 33-0839	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	32.36	11.27
28 46 21 33-0840	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	536.89	45.09
28 46 21 33-0841	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,238.12	67.64
28 46 21 33-0842	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,307.06	67.64
28 46 21 33-0843	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	146.62	11.27
28 46 21 33-0844	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	100.67	11.27
28 46 21 33-0845	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	1,239.14	67.64
28 46 21 33-0846	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	1,146.22	67.64
28 46 21 33-0847	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	1,146.22	67.64
28 46 21 33-0848	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	1,339.51	67.64
28 46 21 33-0849	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	1,238.12	67.64
28 46 21 33-0850	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	1,238.12	67.64
28 46 21 33-0851	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	1,238.12	67.64
28 46 21 33-0852	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	1,474.45	67.64
28 46 21 33-0853	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	1,474.45	67.64
28 46 21 33-0854	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	1,474.45	67.64
28 46 21 33-0855	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	160.95	22.55
28 46 21 33-0856	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	241.31	22.55
28 46 21 33-0857	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	25.36	9.02
28 46 21 33-0858	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	27.25	9.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0859	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	62.41	13.53
28 46 21 33-0860	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	31.49	9.02
28 46 21 33-0861	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	38.95	11.27
28 46 21 33-0862	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	242.67	22.55
28 46 21 33-0863	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	407.27	45.09
28 46 21 33-0864	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	353.24	67.64
28 46 21 33-0865	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	477.00	67.64
28 46 21 33-0866	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	518.36	67.64
28 46 21 33-0867	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	260.94	9.02
28 46 21 33-0868	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	391.16	9.02
28 46 21 33-0869	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	429.46	9.02
28 46 21 33-0870	EA	6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6)	714.14	90.19
28 46 21 33-0871	EA	8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8)	718.62	90.19
28 46 21 33-0872	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	672.93	67.64
28 46 21 33-0873	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	123.65	11.27
28 46 21 33-0874	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	345.62	22.55
28 46 21 33-0875	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	193.46	33.82
28 46 21 33-0876	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	160.87	33.82
28 46 21 33-0877	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	168.29	33.82
28 46 21 33-0878	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	1,249.72	45.09
28 46 21 33-0879	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	1,521.71	45.09
28 46 21 33-0880	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	464.11	22.55
28 46 21 33-0881	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320)	3,260.13	360.74
28 46 21 33-0882	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	1,534.92	45.09
28 46 21 33-0883	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	20,545.17	541.10
28 46 21 33-0884	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	22,383.24	541.10
28 46 21 33-0885	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	25,140.36	541.10
28 46 21 33-0886	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	22,383.24	541.10
28 46 21 33-0887	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	153.89	13.53
28 46 21 33-0888	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	172.27	13.53
28 46 21 33-0889	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	186.98	13.53
28 46 21 33-0890	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	343.21	13.53
28 46 21 33-0891	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	113.61	9.02
28 46 21 33-0892	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	180.58	20.29
28 46 21 33-0893	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR)	191.12	20.29
28 46 21 33-0894	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	342.02	20.29
28 46 21 33-0895	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	335.12	9.02
28 46 21 33-0896	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	450.00	9.02
28 46 21 33-0897	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	555.69	9.02
28 46 21 33-0898	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	167.02	22.55
28 46 21 33-0899	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	77.15	9.02
28 46 21 33-0900	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	3,253.17	360.74
28 46 21 33-0901	EA	Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640)	2,354.00	270.56
28 46 21 33-0902	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	4,165.59	360.74
28 46 21 33-0903	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	3,959.99	270.56
28 46 21 33-0904	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	2,894.10	270.56
28 46 21 33-0905	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	1,522.76	33.82
28 46 21 33-0906	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	1,538.10	33.82
28 46 21 33-0907	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	1,538.10	33.82
28 46 21 33-0908	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	1,823.05	45.09
28 46 21 33-0909	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2)	1,548.70	45.09
28 46 21 33-0910	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	1,460.14	270.56
28 46 21 33-0911	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	1,107.22	45.09
28 46 21 33-0912	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	915.10	45.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0913	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	1,458.07	45.09
28 46 21 33-0914	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	449.89	11.27
28 46 21 33-0915	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	147.61	9.02
28 46 21 33-0916	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	180.70	9.02
28 46 21 33-0917	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	363.52	11.27
28 46 21 33-0918	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	662.20	11.27
28 46 21 33-0919	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	1,195.03	11.27
28 46 21 33-0920	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	99.19	11.27
28 46 21 33-0921	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	154.51	11.27
28 46 21 33-0922	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	79.14	11.27
28 46 21 33-0923	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	108.66	11.27
28 46 21 33-0924	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	86.89	11.27
28 46 21 33-0925	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	137.94	11.27
28 46 21 33-0926	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	156.47	11.27
28 46 21 33-0927	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	90.84	11.27
28 46 21 33-0928	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	1,273.42	33.82
28 46 21 33-0929	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	1,128.63	22.55
28 46 21 33-0930	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	1,044.08	22.55
28 46 21 33-0931	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	41.19	4.51
28 46 21 33-0932	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	914.87	22.55
28 46 21 33-0933	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	871.74	22.55
28 46 21 33-0934	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	2,219.00	45.09
28 46 21 33-0935	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	621.71	22.55
28 46 21 33-0936	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	171.51	9.02
28 46 21 33-0937	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	397.09	22.55
28 46 21 33-0938	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	397.09	22.55
28 46 21 33-0939	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	108.11	9.02
28 46 21 33-0940	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	29.80	4.51
28 46 21 33-0941	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	29.80	4.51
28 46 21 33-0942	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR)	122.79	33.82
28 46 21 33-0943	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH)	135.65	33.82
28 46 21 33-0944	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	159.37	38.33
28 46 21 33-0945	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	157.53	38.33
28 46 21 33-0946	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	969.83	90.19
28 46 21 33-0947	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	767.63	90.19
28 46 21 33-0948	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW)	122.79	33.82
28 46 21 33-0949	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH)	135.65	33.82
28 46 21 33-0950	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P)	122.79	33.82
28 46 21 33-0951	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	23.88	9.02
28 46 21 33-0952	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	23.77	4.51
28 46 21 33-0953	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	26.72	4.51
28 46 21 33-0954	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	23.79	4.51
28 46 21 33-0955	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR)	113.92	33.82
28 46 21 33-0956	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH)	135.65	33.82
28 46 21 33-0957	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	159.37	38.33
28 46 21 33-0958	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P)	135.65	33.82
28 46 21 33-0959	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	157.53	38.33
28 46 21 33-0960	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P)	122.79	33.82
28 46 21 33-0961	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW)	122.79	33.82
28 46 21 33-0962	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH)	135.65	33.82
28 46 21 33-0963	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P)	135.65	33.82
28 46 21 33-0964	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P)	122.79	33.82
28 46 21 33-0965	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	150.29	11.27
28 46 21 33-0966	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	660.67	45.09
28 46 21 33-0967	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	179.25	45.09
28 46 21 33-0968	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	78.44	22.55
28 46 21 33-0969	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	78.44	22.55
28 46 21 33-0970	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	134.15	22.55
28 46 21 33-0971	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	144.80	22.55
28 46 21 33-0972	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	144.80	22.55
28 46 21 33-0973	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	129.92	22.55
28 46 21 33-0974	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	172.58	22.55
28 46 21 33-0975	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	134.15	22.55
28 46 21 33-0976	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	78.44	22.55
28 46 21 33-0977	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	78.44	22.55
28 46 21 33-0978	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	144.80	22.55
28 46 21 33-0979	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	134.15	22.55
28 46 21 33-0980	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	134.15	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0981		Honeywell Fire Alarm *(28 46 21 33)*		
28 46 21 33-0982		Notifier Fire Alarm *(28 46 21 33-0981)*		
28 46 21 33-0983		Fire Alarm Control Panel And Accessories *(28 46 21 33-0982)*		
28 46 21 33-0984	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,973.79	450.93
28 46 21 33-0985	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,344.72	450.93
28 46 21 33-0986	EA	Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,966.39	450.93
28 46 21 33-0987	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	4,083.16	450.93
28 46 21 33-0988	EA	Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	3,984.49	450.93
28 46 21 33-0989	EA	Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	3,984.49	450.93
28 46 21 33-0990	EA	Two-Tone Sequential Module (Notifier 2TTM)	202.64	22.55
28 46 21 33-0991	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	60.43	4.51
28 46 21 33-0992	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	117.54	9.02
28 46 21 33-0993	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	178.80	13.53
28 46 21 33-0994	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	278.61	
28 46 21 33-0995	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	39.80	
28 46 21 33-0996	EA	120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	3,904.05	450.93
28 46 21 33-0997	EA	240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	3,904.05	450.93
28 46 21 33-0998	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	150.81	4.51
28 46 21 33-0999	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	46.33	4.51
28 46 21 33-1000	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	59.50	9.02
28 46 21 33-1001	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	67.33	11.27
28 46 21 33-1002	EA	IP Communicator (Notifier IPDACT-2)	506.13	22.55
28 46 21 33-1003	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	589.05	22.55
28 46 21 33-1004	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	137.13	22.55
28 46 21 33-1005	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	137.13	22.55
28 46 21 33-1006	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G)	706.12	33.82
28 46 21 33-1007	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	36.28	9.02
28 46 21 33-1008	EA	Loop Control Module (Notifier LCM-320)	1,331.07	45.09
28 46 21 33-1009	EA	Loop Expander Module (Notifier LEM-320)	1,155.09	45.09
28 46 21 33-1010	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,014.48	45.09
28 46 21 33-1011	EA	7' DACT Phone Cord (Notifier MCBL-7)	17.31	
28 46 21 33-1012	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	127.03	11.27
28 46 21 33-1013	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	149.57	22.55
28 46 21 33-1014	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	149.57	22.55
28 46 21 33-1015	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	563.34	22.55
28 46 21 33-1016	EA	Universal Zone Coder (Notifier UZC-256)	758.20	22.55
28 46 21 33-1017	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	229.59	
28 46 21 33-1018	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	525.32	
28 46 21 33-1019	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	352.84	
28 46 21 33-1020	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	3,530.43	13.53
28 46 21 33-1021		ONYX Cabinets *(28 46 21 33-0982)*		
28 46 21 33-1022	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	326.87	11.27
28 46 21 33-1023	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	436.32	11.27
28 46 21 33-1024	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	537.48	11.27
28 46 21 33-1025	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	82.62	13.53
28 46 21 33-1026	EA	Chassis Bridge (Notifier CB-1)	72.30	11.27
28 46 21 33-1027	EA	Four Position Chassis (Notifier CHS-4)	121.22	11.27
28 46 21 33-1028	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	142.12	22.55
28 46 21 33-1029	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	65.62	13.53
28 46 21 33-1030	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	90.08	13.53
28 46 21 33-1031	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	255.60	22.55
28 46 21 33-1032	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	165.97	22.55
28 46 21 33-1033	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	325.85	33.82
28 46 21 33-1034	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	206.61	33.82
28 46 21 33-1035	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	484.08	45.09
28 46 21 33-1036	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	302.35	45.09
28 46 21 33-1037	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	588.03	56.37
28 46 21 33-1038	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	352.85	56.37
28 46 21 33-1039	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	184.24	11.27
28 46 21 33-1040	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	123.71	11.27
28 46 21 33-1041	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	116.25	11.27
28 46 21 33-1042	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	185.07	11.27
28 46 21 33-1043	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	144.44	11.27
28 46 21 33-1044	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	234.83	11.27
28 46 21 33-1045	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	162.68	11.27
28 46 21 33-1046	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	282.92	11.27
28 46 21 33-1047	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	236.48	11.27
28 46 21 33-1048	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	419.74	11.27
28 46 21 33-1049	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	264.68	11.27
28 46 21 33-1050	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	501.83	11.27
28 46 21 33-1051	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4)	253.22	22.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1052	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	367.65	22.55
28 46 21 33-1053	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	433.16	22.55
28 46 21 33-1054	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	271.46	22.55
28 46 21 33-1055	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	393.35	22.55
28 46 21 33-1056	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	457.20	22.55
28 46 21 33-1057	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	253.22	22.55
28 46 21 33-1058	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	367.65	22.55
28 46 21 33-1059	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R)	433.16	22.55
28 46 21 33-1060	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	271.46	22.55
28 46 21 33-1061	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	393.35	22.55
28 46 21 33-1062	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	457.20	22.55
28 46 21 33-1063	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,349.80	112.73
28 46 21 33-1064	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	231.66	22.55
28 46 21 33-1065	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4)	275.07	67.64
28 46 21 33-1066	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	386.77	90.19
28 46 21 33-1067	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	497.79	90.19
28 46 21 33-1068	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	607.02	112.73
28 46 21 33-1069	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	149.57	22.55
28 46 21 33-1070	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R)	149.57	22.55
28 46 21 33-1071	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	186.05	22.55
28 46 21 33-1072	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	253.22	22.55
28 46 21 33-1073	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	365.16	22.55
28 46 21 33-1074	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	429.84	22.55
28 46 21 33-1075	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	136.51	13.53
28 46 21 33-1076	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	136.51	13.53
28 46 21 33-1077	EA	Black, “AA” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	177.97	13.53
28 46 21 33-1078	EA	Black, “A” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	145.64	13.53
28 46 21 33-1079	EA	Black, “B” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	145.64	13.53
28 46 21 33-1080	EA	Black, “C” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	143.98	13.53
28 46 21 33-1081	EA	Black, “D” Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	147.29	13.53
28 46 21 33-1082	EA	2” Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B)	60.64	13.53
28 46 21 33-1083	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2)	38.46	4.51

28 46 21 33-1084 NFS2-3030/640 Cabinet Mechanicals *(28 46 21 33-0982)*

28 46 21 33-1085	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	87.09	13.53
28 46 21 33-1086	EA	Blank Module Dress Plate (Notifier BM-1B)	73.11	13.53
28 46 21 33-1087	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	82.16	13.53
28 46 21 33-1088	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	179.27	11.27
28 46 21 33-1089	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	186.05	33.82
28 46 21 33-1090	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	90.38	13.53

28 46 21 33-1091 NFS-3030/640 Cabinet Mechanicals *(28 46 21 33-0982)*

28 46 21 33-1092	EA	Annunciator Dress Plate (Notifier ADP-4B)	82.98	13.53
28 46 21 33-1093	EA	Blank Module Dress Plate (Notifier BMP-1)	54.20	13.53
28 46 21 33-1094	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	118.69	22.55
28 46 21 33-1095	EA	Module Dress Plate (Notifier MP-1B)	83.80	13.53

28 46 21 33-1096 Battery Cabinets *(28 46 21 33-0982)*

28 46 21 33-1097	EA	Six Position Chassis (Notifier CHS-6)	79.87	22.55
28 46 21 33-1098	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	377.04	67.64

28 46 21 33-1099 Digital Voice *(28 46 21 33-0982)*

28 46 21 33-1100	EA	Chassis Used With BB-XP (Notifier 18439)	39.55	11.27
28 46 21 33-1101	EA	220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,538.64	33.82
28 46 21 33-1102	EA	220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,495.52	33.82
28 46 21 33-1103	EA	220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E)	721.88	33.82
28 46 21 33-1104	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	369.43	33.82
28 46 21 33-1105	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	500.53	45.09
28 46 21 33-1106	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	623.39	56.37
28 46 21 33-1107	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	633.82	22.55
28 46 21 33-1108	EA	Single Mode Audio Fiber Link Receiver (Notifier AFL-RS)	1,397.52	22.55
28 46 21 33-1109	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	633.82	22.55
28 46 21 33-1110	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,397.52	22.55
28 46 21 33-1111	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	80.18	11.27
28 46 21 33-1112	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	127.86	11.27
28 46 21 33-1113	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	129.93	11.27
28 46 21 33-1114	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	128.27	11.27
28 46 21 33-1115	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	129.93	11.27
28 46 21 33-1116	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	243.95	11.27
28 46 21 33-1117	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	198.75	11.27
28 46 21 33-1118	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	54.63	
28 46 21 33-1119	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	426.52	22.55
28 46 21 33-1120	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	426.52	22.55
28 46 21 33-1121	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	75.62	11.27
28 46 21 33-1122	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	104.30	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1123	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	309.40	33.82
28 46 21 33-1124	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	154.54	22.55
28 46 21 33-1125	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	154.54	22.55
28 46 21 33-1126	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	175.12	11.27
28 46 21 33-1127	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	200.83	11.27
28 46 21 33-1128	EA	120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,227.59	22.55
28 46 21 33-1129	EA	Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	997.07	22.55
28 46 21 33-1130	EA	Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	997.07	22.55
28 46 21 33-1131	EA	120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,267.06	22.55
28 46 21 33-1132	EA	Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,083.62	22.55
28 46 21 33-1133	EA	120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,315.57	22.55
28 46 21 33-1134	EA	Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,299.98	22.55
28 46 21 33-1135	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,299.98	22.55
28 46 21 33-1136	EA	220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,237.48	22.55
28 46 21 33-1137	EA	220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,277.28	22.55
28 46 21 33-1138	EA	220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	1,326.20	22.55
28 46 21 33-1139	EA	120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	848.58	22.55
28 46 21 33-1140	EA	220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	848.58	22.55
28 46 21 33-1141	EA	120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	902.48	22.55
28 46 21 33-1142	EA	220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	902.48	22.55
28 46 21 33-1143	EA	120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	937.31	22.55
28 46 21 33-1144	EA	220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	937.31	22.55
28 46 21 33-1145	EA	120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	991.21	22.55
28 46 21 33-1146	EA	220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	991.21	22.55
28 46 21 33-1147	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	87.23	11.27
28 46 21 33-1148	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	78.87	13.53
28 46 21 33-1149	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	90.38	13.53
28 46 21 33-1150	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	152.05	13.53
28 46 21 33-1151	EA	WPS Power Amplifier (Notifier DPA3204P)	501.15	22.55
28 46 21 33-1152	EA	WPS Power Amplifier (Notifier DPA4001P)	422.38	22.55
28 46 21 33-1153	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	882.58	22.55
28 46 21 33-1154	EA	120 VAC,125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP)	666.99	22.55
28 46 21 33-1155	EA	220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE)	666.99	22.55
28 46 21 33-1156	EA	Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,123.05	22.55
28 46 21 33-1157	EA	125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA)	459.69	22.55
28 46 21 33-1158	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	235.81	22.55
28 46 21 33-1159	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	235.81	22.55
28 46 21 33-1160	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	235.81	22.55
28 46 21 33-1161	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	103.13	22.55
28 46 21 33-1162	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	221.89	22.55
28 46 21 33-1163	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,237.45	22.55
28 46 21 33-1164	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	373.89	45.09
28 46 21 33-1165	EA	Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	176.52	
28 46 21 33-1166	EA	Fire Fighters Telephone Control With Master Handset (Notifier FFT-7)	1,285.69	45.09
28 46 21 33-1167	EA	Portable Fireman's Telephone Handset (Notifier FHS)	113.08	
28 46 21 33-1168	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	113.08	
28 46 21 33-1169	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	316.24	22.55
28 46 21 33-1170	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	316.24	22.55
28 46 21 33-1171	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	52.50	6.76
28 46 21 33-1172	EA	Paging Microphone Only (Notifier MIC-1)	152.81	22.55
28 46 21 33-1173	EA	Firefighter's Telephone Handset (Notifier TELH-1)	124.28	
28 46 21 33-1174	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	364.97	22.55
28 46 21 33-1175	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	364.97	22.55

28 46 21 33-1176 Amplifiers *(28 46 21 33-0982)*

28 46 21 33-1177	EA	30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30)	693.90	22.55
28 46 21 33-1178	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100)	1,503.89	22.55
28 46 21 33-1179	EA	120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120)	1,461.13	22.55
28 46 21 33-1180	EA	Audio Coupling Transformer (Notifier ACT-1)	113.34	22.55
28 46 21 33-1181	EA	Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2)	131.43	22.55
28 46 21 33-1182	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	131.43	22.55
28 46 21 33-1183	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	131.43	22.55
28 46 21 33-1184	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	131.43	22.55

28 46 21 33-1185 FireVoice-25/50 Emergency Voice Evacuation Control Panels *(28 46 21 33-0982)*

28 46 21 33-1186	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	2,896.68	450.93
28 46 21 33-1187	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,113.46	450.93
28 46 21 33-1188	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	2,675.99	450.93
28 46 21 33-1189	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,411.62	450.93
28 46 21 33-1190	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,749.14	450.93

28 46 21 33-1191 System Printer *(28 46 21 33-0982)*

28 46 21 33-1192	EA	80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,494.02	22.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1193		**Batteries** *(28 46 21 33-0982)*		
28 46 21 33-1194	EA	5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	423.21	22.55
28 46 21 33-1195	EA	7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	326.32	22.55
28 46 21 33-1196	EA	12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	426.65	22.55
28 46 21 33-1197	EA	18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	252.31	22.55
28 46 21 33-1198	EA	26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	349.35	22.55
28 46 21 33-1199	EA	55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550)	348.53	22.55
28 46 21 33-1200	EA	100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000)	549.83	22.55
28 46 21 33-1201		**Battery Backboxes And Miscellaneous Mechanicals** *(28 46 21 33-0982)*		
28 46 21 33-1202	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17)	109.87	18.04
28 46 21 33-1203	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	167.91	18.04
28 46 21 33-1204	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	310.30	90.19
28 46 21 33-1205	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH)	149.06	45.09
28 46 21 33-1206	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1)	66.50	11.27
28 46 21 33-1207	EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25)	184.50	18.04
28 46 21 33-1208	EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	143.87	18.04
28 46 21 33-1209	EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	158.79	18.04
28 46 21 33-1210	EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	172.06	18.04
28 46 21 33-1211		**Power Supplies And Chargers** *(28 46 21 33-0982)*		
28 46 21 33-1212	EA	120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610)	1,062.68	33.82
28 46 21 33-1213	EA	220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,062.68	33.82
28 46 21 33-1214	EA	Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,055.72	22.55
28 46 21 33-1215	EA	6A Auxiliary Power Supply (Notifier APS-6R)	540.99	22.55
28 46 21 33-1216	EA	10 Amp Battery Charger (Notifier BC10A)	672.96	33.82
28 46 21 33-1217	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	397.40	27.06
28 46 21 33-1218	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	397.40	27.06
28 46 21 33-1219	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	569.04	27.06
28 46 21 33-1220	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	569.04	27.06
28 46 21 33-1221	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	109.77	22.55
28 46 21 33-1222	EA	25 To 120 Amp Hour Battery Charger (Notifier CHG-120)	815.60	22.55
28 46 21 33-1223	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	62.35	11.27
28 46 21 33-1224	EA	Replacement Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	97.18	11.27
28 46 21 33-1225	EA	8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	543.42	22.55
28 46 21 33-1226	EA	8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E)	637.78	67.64
28 46 21 33-1227	EA	Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R)	637.78	67.64
28 46 21 33-1228	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8)	726.50	67.64
28 46 21 33-1229	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	726.50	67.64
28 46 21 33-1230	EA	Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	689.54	33.82
28 46 21 33-1231	EA	Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	689.54	33.82
28 46 21 33-1232	EA	12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12)	834.65	33.82
28 46 21 33-1233	EA	12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	834.65	33.82
28 46 21 33-1234	EA	Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	866.16	67.64
28 46 21 33-1235	EA	Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	866.16	67.64
28 46 21 33-1236	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	608.75	67.64
28 46 21 33-1237	EA	6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	608.75	67.64
28 46 21 33-1238	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	656.02	67.64
28 46 21 33-1239	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	656.02	67.64
28 46 21 33-1240	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	529.15	67.64
28 46 21 33-1241	EA	9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	622.02	67.64
28 46 21 33-1242	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	126.20	11.27
28 46 21 33-1243	EA	Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	780.71	22.55
28 46 21 33-1244	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	147.91	22.55
28 46 21 33-1245		**Network Control Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1246	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,492.11	67.64
28 46 21 33-1247	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	60.78	13.53
28 46 21 33-1248	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	45.15	13.53
28 46 21 33-1249		**FIRSTVISION Firefighter's Display** *(28 46 21 33-0982)*		
28 46 21 33-1250	EA	Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	11,671.53	450.93
28 46 21 33-1251		**FlashScan Addressable Modules** *(28 46 21 33-0982)*		
28 46 21 33-1252	EA	Intelligent Addressable Control Module (Notifier FCM-1)	134.72	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1253	EA	Addressable Dual Monitor Module (Notifier FDM-1)	149.52	22.55
28 46 21 33-1254	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	113.34	22.55
28 46 21 33-1255	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	101.83	22.55
28 46 21 33-1256	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	201.33	22.55
28 46 21 33-1257	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	129.79	22.55
28 46 21 33-1258	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	167.62	22.55
28 46 21 33-1259	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	111.70	22.55
28 46 21 33-1260		**Addressable Device Bases And Accessories** *(28 46 21 33-0982)*		
28 46 21 33-1261	EA	Intelligent Detector Base With Flange (Notifier B710LP)	38.99	11.27
28 46 21 33-1262	EA	Weatherproof Device Housing (Notifier DH400OE-1)	333.72	22.55
28 46 21 33-1263		**XP6/XP10 Transponder** *(28 46 21 33-0982)*		
28 46 21 33-1264	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	101.42	22.55
28 46 21 33-1265	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	475.99	22.55
28 46 21 33-1266	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	574.66	22.55
28 46 21 33-1267	EA	Six Relay Control Module (Notifier XP6-R)	457.89	22.55
28 46 21 33-1268	EA	Ten Input Monitor Module (Notifier XP10-M)	549.99	22.55
28 46 21 33-1269		**LCD Display Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1270	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	624.56	67.64
28 46 21 33-1271	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	867.14	67.64
28 46 21 33-1272	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	896.75	67.64
28 46 21 33-1273	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	587.39	22.55
28 46 21 33-1274	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	314.58	22.55
28 46 21 33-1275	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	761.52	22.55
28 46 21 33-1276		**ONYX ACM And AEM Series LED Annunciators** *(28 46 21 33-0982)*		
28 46 21 33-1277	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	346.92	22.55
28 46 21 33-1278	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	628.11	22.55
28 46 21 33-1279	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	482.56	22.55
28 46 21 33-1280	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	628.11	22.55
28 46 21 33-1281	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	482.56	22.55
28 46 21 33-1282	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	482.56	22.55
28 46 21 33-1283	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	433.23	22.55
28 46 21 33-1284	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	482.56	22.55
28 46 21 33-1285	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	433.23	22.55
28 46 21 33-1286		**Graphic Annunciator - Lamp Driver Modules** *(28 46 21 33-0982)*		
28 46 21 33-1287	EA	Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	210.25	45.09
28 46 21 33-1288	EA	Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	227.52	45.09
28 46 21 33-1289	EA	Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	263.21	56.37
28 46 21 33-1290	EA	Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	285.42	56.37
28 46 21 33-1291	EA	Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	455.50	78.91
28 46 21 33-1292	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	80.92	13.53
28 46 21 33-1293	EA	Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	139.94	45.09
28 46 21 33-1294	EA	Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	112.93	11.27
28 46 21 33-1295	EA	Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	171.60	45.09
28 46 21 33-1296	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	296.93	56.37
28 46 21 33-1297	EA	Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	208.29	11.27
28 46 21 33-1298	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	477.70	78.91
28 46 21 33-1299	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	349.62	13.53
28 46 21 33-1300	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	138.06	18.04
28 46 21 33-1301	EA	Annunciator Key Switch (Notifier AKS-1B)	67.43	6.76
28 46 21 33-1302	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	80.04	22.55
28 46 21 33-1303	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	433.23	22.55
28 46 21 33-1304	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	127.60	4.51
28 46 21 33-1305	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	159.11	4.51
28 46 21 33-1306	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	358.39	22.55
28 46 21 33-1307	EA	Lamp Driver Module (Notifier LDM-R32)	624.70	22.55
28 46 21 33-1308	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	579.92	22.55
28 46 21 33-1309	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	161.59	4.51
28 46 21 33-1310	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	134.86	13.53
28 46 21 33-1311	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	84.27	13.53
28 46 21 33-1312	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	84.27	13.53
28 46 21 33-1313		**Network Gateways** *(28 46 21 33-0982)*		
28 46 21 33-1314	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	2,325.39	22.55
28 46 21 33-1315	EA	PC Version, Receivers Gateway (Notifier DACR-GW)	1,819.58	22.55
28 46 21 33-1316	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,736.66	22.55
28 46 21 33-1317	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	1,943.96	22.55
28 46 21 33-1318	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,159.55	22.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1319	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,653.74	22.55
28 46 21 33-1320	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,695.20	22.55
28 46 21 33-1321	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	1,906.64	22.55
28 46 21 33-1322	EA	Modbus Gateway (Notifier MODBUS-GW)	1,819.58	22.55
28 46 21 33-1323	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,215.44	14.88
28 46 21 33-1324	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,300.86	14.88
28 46 21 33-1325	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	10,465.98	14.88
28 46 21 33-1326	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	432.49	33.82
28 46 21 33-1327	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	784.90	33.82
28 46 21 33-1328	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,141.45	33.82
28 46 21 33-1329	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	870.66	
28 46 21 33-1330	EA	Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	870.66	
28 46 21 33-1331	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	1,804.85	22.55
28 46 21 33-1332	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,804.85	22.55
28 46 21 33-1333	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,648.78	22.55
28 46 21 33-1334	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,088.25	22.55
28 46 21 33-1335	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,648.78	22.55
28 46 21 33-1336	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,804.85	22.55
28 46 21 33-1337	EA	E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	870.66	
28 46 21 33-1338	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	870.66	
28 46 21 33-1339	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	16,675.43	541.10
28 46 21 33-1340	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,497.17	
28 46 21 33-1341	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,497.17	
28 46 21 33-1342	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	809.61	22.55
28 46 21 33-1343	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	657.87	22.55
28 46 21 33-1344	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	788.05	22.55
28 46 21 33-1345	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	870.14	22.55
28 46 21 33-1346	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,819.58	22.55
28 46 21 33-1347	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,504.48	22.55
28 46 21 33-1348	EA	Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,658.40	

28 46 21 33-1349 NOTI-FIRE-NET Network Components *(28 46 21 33-0982)*

28 46 21 33-1350	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,804.85	22.55
28 46 21 33-1351	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	807.38	22.55
28 46 21 33-1352	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	1,804.85	22.55
28 46 21 33-1353	EA	Wired Network Communications Module (Notifier NCM-W)	769.55	22.55
28 46 21 33-1354	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	76.21	11.27

28 46 21 33-1355 FireWarden Addressable Fire Panels *(28 46 21 33-0982)*

28 46 21 33-1356	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,687.16	450.93
28 46 21 33-1357	EA	Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,979.08	450.93
28 46 21 33-1358	EA	Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	1,988.09	225.46
28 46 21 33-1359	EA	Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	1,988.09	225.46
28 46 21 33-1360	EA	Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	1,988.09	225.46

28 46 21 33-1361 FireWarden Accessories *(28 46 21 33-0982)*

28 46 21 33-1362	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	149.73	33.82
28 46 21 33-1363	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	148.90	33.82

28 46 21 33-1364 FireWarden Devices *(28 46 21 33-0982)*

28 46 21 33-1365	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	110.88	22.55
28 46 21 33-1366	EA	Intelligent Addressable Control Module (Notifier NC-100)	130.61	22.55
28 46 21 33-1367	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	125.68	22.55
28 46 21 33-1368	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	265.83	33.82
28 46 21 33-1369	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	317.75	33.82
28 46 21 33-1370	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	125.68	22.55
28 46 21 33-1371	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	131.78	33.82
28 46 21 33-1372	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	131.78	33.82
28 46 21 33-1373	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	131.78	33.82
28 46 21 33-1374	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	174.54	33.82
28 46 21 33-1375	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	109.23	22.55
28 46 21 33-1376	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	99.77	22.55
28 46 21 33-1377	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	145.82	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1378	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	137.54	33.82
28 46 21 33-1379	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	162.68	22.55
28 46 21 33-1380	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	561.51	22.55
28 46 21 33-1381		SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories *(28 46 21 33-0982)*		
28 46 21 33-1382	EA	120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,132.63	360.74
28 46 21 33-1383	EA	120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,238.71	360.74
28 46 21 33-1384	EA	240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E)	865.53	112.73
28 46 21 33-1385	EA	240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E)	972.50	112.73
28 46 21 33-1386	EA	Class A Converter Module (Notifier CAC-4)	284.73	22.55
28 46 21 33-1387	EA	Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B)	96.71	13.53
28 46 21 33-1388	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	98.37	13.53
28 46 21 33-1389	EA	Remote Zone Annunciator (Notifier RZA-4X)	145.58	33.82
28 46 21 33-1390		SFP-5UD 5 Zone Control Panels And Accessories *(28 46 21 33-0982)*		
28 46 21 33-1391	EA	120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,720.05	450.93
28 46 21 33-1392	EA	120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	2,613.15	338.20
28 46 21 33-1393	EA	240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	1,726.89	225.46
28 46 21 33-1394	EA	Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	1,726.89	225.46
28 46 21 33-1395	EA	Class A Converter Module (Notifier N-CAC-5X)	284.73	22.55
28 46 21 33-1396	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	114.13	13.53
28 46 21 33-1397		SFP-10UD 10 Zone Control Panels And Accessories *(28 46 21 33-0982)*		
28 46 21 33-1398	EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	3,225.77	450.93
28 46 21 33-1399	EA	240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	2,413.32	338.20
28 46 21 33-1400	EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	1,950.30	450.93
28 46 21 33-1401	EA	Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	2,864.24	450.93
28 46 21 33-1402	EA	Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	487.23	67.64
28 46 21 33-1403		Smoke Detectors *(28 46 21 33-0982)*		
28 46 21 33-1404	EA	Intelligent Addressable Beam Smoke Detector (Notifier FSB-200)	1,209.61	45.09
28 46 21 33-1405	EA	Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S)	1,375.45	45.09
28 46 21 33-1406	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	186.05	33.82
28 46 21 33-1407	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	306.11	33.82
28 46 21 33-1408	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	759.99	33.82
28 46 21 33-1409	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851)	152.34	33.82
28 46 21 33-1410	EA	Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R)	155.54	33.82
28 46 21 33-1411	EA	Intelligent Addressable Thermal Detector (Notifier FST-851)	127.67	33.82
28 46 21 33-1412	EA	Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	127.67	33.82
28 46 21 33-1413	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R)	127.67	33.82
28 46 21 33-1414	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	140.61	33.82
28 46 21 33-1415	EA	Filters For Harsh Detector (Notifier RF-FTX)	17.04	
28 46 21 33-1416	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	113.14	22.55
28 46 21 33-1417		Pull Stations *(28 46 21 33-0982)*		
28 46 21 33-1418	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	23.95	4.51
28 46 21 33-1419	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2)	52.40	11.27
28 46 21 33-1420	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	52.40	11.27
28 46 21 33-1421	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	73.70	22.55
28 46 21 33-1422	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	79.92	22.55
28 46 21 33-1423	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	104.38	22.55
28 46 21 33-1424	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	73.70	22.55
28 46 21 33-1425	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	82.82	22.55
28 46 21 33-1426	EA	Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	82.82	22.55
28 46 21 33-1427	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	82.82	22.55
28 46 21 33-1428	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	79.09	22.55
28 46 21 33-1429	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	84.48	22.55
28 46 21 33-1430	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	572.36	27.06
28 46 21 33-1431	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	67.59	22.55
28 46 21 33-1432	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	85.59	22.55
28 46 21 33-1433	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	79.01	22.55
28 46 21 33-1434	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	173.35	27.06
28 46 21 33-1435	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	104.79	22.55
28 46 21 33-1436	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	92.77	22.55
28 46 21 33-1437	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	146.65	22.55
28 46 21 33-1438	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	36.38	4.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1439		**Rate Compensation Heat Detectors** *(28 46 21 33-0982)*		
28 46 21 33-1440	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	140.00	33.82
28 46 21 33-1441	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	140.00	33.82
28 46 21 33-1442		**FM Series Door Releases** *(28 46 21 33-0982)*		
28 46 21 33-1443	EA	1/2" Door Holder Spacer (Notifier FM900-50)	23.40	6.76
28 46 21 33-1444	EA	3/4" Door Holder Spacer (Notifier FM900-75)	23.40	6.76
28 46 21 33-1445	EA	1" Door Holder Spacer (Notifier FM900-100)	23.40	6.76
28 46 21 33-1446	EA	Door Holder Extension Kit (Notifier FM900)	24.63	6.76
28 46 21 33-1447	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	25.04	6.76
28 46 21 33-1448	EA	Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	167.14	33.82
28 46 21 33-1449	EA	Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	146.58	33.82
28 46 21 33-1450	EA	Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998)	146.58	33.82
28 46 21 33-1451		**Multicriteria Fire Detector** *(28 46 21 33-0982)*		
28 46 21 33-1452	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	250.06	33.82
28 46 21 33-1453	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	231.82	33.82
28 46 21 33-1454	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	153.88	33.82
28 46 21 33-1455		**Modules** *(28 46 21 33-0982)*		
28 46 21 33-1456	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	279.75	22.55
28 46 21 33-1457	EA	Addressable Firephone Control Module (Notifier FTM-1)	167.81	22.55
28 46 21 33-1458		**DH Series Door Releases** *(28 46 21 33-0982)*		
28 46 21 33-1459	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	145.58	33.82
28 46 21 33-1460	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	154.21	33.82
28 46 21 33-1461	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	163.00	33.82
28 46 21 33-1462	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	160.51	33.82
28 46 21 33-1463	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	167.97	33.82
28 46 21 33-1464	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	173.78	33.82
28 46 21 33-1465	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	145.58	33.82
28 46 21 33-1466	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	153.88	33.82
28 46 21 33-1467	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	163.00	33.82
28 46 21 33-1468	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	182.90	33.82
28 46 21 33-1469	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	194.51	33.82
28 46 21 33-1470	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	207.77	33.82
28 46 21 33-1471	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	211.09	33.82
28 46 21 33-1472	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	224.36	33.82
28 46 21 33-1473	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	240.94	33.82
28 46 21 33-1474	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	16.98	4.51
28 46 21 33-1475	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	16.98	4.51
28 46 21 33-1476	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	18.31	4.51
28 46 21 33-1477	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	16.98	4.51
28 46 21 33-1478	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	16.98	4.51
28 46 21 33-1479	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	18.31	4.51
28 46 21 33-1480	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	17.98	4.51
28 46 21 33-1481	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	17.98	4.51
28 46 21 33-1482	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	18.31	4.51
28 46 21 33-1483	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	19.30	4.51
28 46 21 33-1484	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	19.30	4.51
28 46 21 33-1485	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	19.30	4.51
28 46 21 33-1486	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	19.80	4.51
28 46 21 33-1487	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	20.13	4.51
28 46 21 33-1488	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	20.13	4.51
28 46 21 33-1489	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	21.13	4.51
28 46 21 33-1490	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	21.13	4.51
28 46 21 33-1491	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	21.46	4.51
28 46 21 33-1492	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	21.46	4.51
28 46 21 33-1493	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	22.29	4.51
28 46 21 33-1494	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	24.77	4.51
28 46 21 33-1495	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	22.29	4.51
28 46 21 33-1496	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	23.28	4.51
28 46 21 33-1497	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	24.77	4.51
28 46 21 33-1498	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	23.98	6.76
28 46 21 33-1499	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	24.64	6.76
28 46 21 33-1500	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	26.80	6.76
28 46 21 33-1501	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	42.22	6.76
28 46 21 33-1502	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	44.87	6.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1503	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	47.53	6.76
28 46 21 33-1504	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	40.46	11.27
28 46 21 33-1505	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	42.45	11.27
28 46 21 33-1506	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	45.27	11.27
28 46 21 33-1507	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	223.88	
28 46 21 33-1508	EA	Two Piece Extension Wrench (Notifier DHW)	2.49	

28 46 21 33-1509 First Command *(28 46 21 33-0982)*

28 46 21 33-1510	EA	Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	4,585.50	563.65
28 46 21 33-1511	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	4,585.50	563.65
28 46 21 33-1512	EA	Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,213.55	45.09
28 46 21 33-1513	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,213.55	45.09
28 46 21 33-1514	EA	Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	2,201.96	45.09
28 46 21 33-1515	EA	Black, , 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	2,201.96	45.09
28 46 21 33-1516	EA	50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	480.42	22.55
28 46 21 33-1517	EA	50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	480.42	22.55
28 46 21 33-1518	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	327.85	22.55
28 46 21 33-1519	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	459.69	22.55
28 46 21 33-1520	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	1,635.62	45.09
28 46 21 33-1521	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	1,582.55	45.09
28 46 21 33-1522	EA	Black, Remote Microphone (Notifier NFC-RM)	451.81	
28 46 21 33-1523	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	1,341.25	45.09
28 46 21 33-1524	EA	Remote Telephone Zone Module (Notifier NFC-RTZM)	605.63	22.55
28 46 21 33-1525	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	249.90	22.55
28 46 21 33-1526	EA	Firefighters Phone Jack (Notifier N-FPJ)	114.69	6.76
28 46 21 33-1527	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	33.43	6.76
28 46 21 33-1528	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	100.86	13.53

28 46 21 33-1529 LED Displays *(28 46 21 33-0982)*

28 46 21 33-1530	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,090.61	27.06
28 46 21 33-1531	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	1,846.64	36.07
28 46 21 33-1532	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	1,896.39	36.07
28 46 21 33-1533	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	1,274.49	36.07
28 46 21 33-1534	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	1,937.85	36.07
28 46 21 33-1535	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	1,896.39	36.07

28 46 21 33-1536 Control Relays *(28 46 21 33-0982)*

28 46 21 33-1537	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	50.74	11.27
28 46 21 33-1538	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	40.79	11.27
28 46 21 33-1539	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	131.33	22.55
28 46 21 33-1540	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	80.59	11.27
28 46 21 33-1541	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	95.52	11.27
28 46 21 33-1542	EA	24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	118.06	22.55
28 46 21 33-1543	EA	120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	118.06	22.55
28 46 21 33-1544	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	76.60	22.55
28 46 21 33-1545	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	43.69	11.27
28 46 21 33-1546	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	148.74	22.55
28 46 21 33-1547	EA	24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	58.36	22.55
28 46 21 33-1548	EA	12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	58.36	22.55
28 46 21 33-1549	EA	9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	58.36	22.55

28 46 21 33-1550 Gamewell-FCI Fire Control Instruments *(28 46 21 33-0982)*

28 46 21 33-1551 7100 Series And NetSOLO® *(28 46 21 33-1550)*

28 46 21 33-1552 7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 21 33-1551)*

28 46 21 33-1553	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	746.40	270.56
28 46 21 33-1554	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,062.42	450.93
28 46 21 33-1555	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,301.38	450.93
28 46 21 33-1556	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E)	3,062.42	450.93
28 46 21 33-1557	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E)	3,301.38	450.93
28 46 21 33-1558	EA	Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1)	826.41	45.09
28 46 21 33-1559	EA	Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	986.28	45.09
28 46 21 33-1560	EA	Analog Loop Unit (Gamewell-FCI ALU)	986.28	45.09

28 46 21 33-1561 NetSOLO® Intelligent Network *(28 46 21 33-1551)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1562	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	1,091.46	45.09
28 46 21 33-1563	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	871.85	45.09
28 46 21 33-1564		Components And Accessories *(28 46 21 33-1551)*		
28 46 21 33-1565	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	543.87	33.82
28 46 21 33-1566	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	423.38	45.09
28 46 21 33-1567	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	757.42	45.09
28 46 21 33-1568	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	319.05	45.09
28 46 21 33-1569	EA	Replacement Enclosure Box (Gamewell-FCI EN-7100)	287.23	90.19
28 46 21 33-1570	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	778.79	22.55
28 46 21 33-1571		E3 Series® Basic System *(28 46 21 33-1550)*		
28 46 21 33-1572	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	752.87	45.09
28 46 21 33-1573	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	653.91	45.09
28 46 21 33-1574	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	752.87	45.09
28 46 21 33-1575	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	653.91	45.09
28 46 21 33-1576	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	472.31	45.09
28 46 21 33-1577	EA	Power Supply Module (Gamewell-FCI PM-9)	611.75	45.09
28 46 21 33-1578	EA	Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	518.37	45.09
28 46 21 33-1579	EA	Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	501.44	22.55
28 46 21 33-1580	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	304.62	45.09
28 46 21 33-1581	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	777.47	45.09
28 46 21 33-1582	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	655.13	45.09
28 46 21 33-1583	EA	Local Operating Console (Gamewell-FCI 1100-0455)	439.50	33.82
28 46 21 33-1584	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,378.31	33.82
28 46 21 33-1585	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	563.18	45.09
28 46 21 33-1586	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,669.20	45.09
28 46 21 33-1587	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	426.42	90.19
28 46 21 33-1588	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	326.09	90.19
28 46 21 33-1589	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	72.96	22.55
28 46 21 33-1590	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	401.52	45.09
28 46 21 33-1591	EA	LED Driver module (Gamewell-FCI ANU-48)	401.52	45.09
28 46 21 33-1592	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	1,157.66	33.82
28 46 21 33-1593		Addressable Devices, Module, Pulls And Accessories *(28 46 21 33-1550)*		
28 46 21 33-1594		Velociti® Series Sensors And Bases *(28 46 21 33-1593)*		
28 46 21 33-1595	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	136.63	33.82
28 46 21 33-1596	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	139.16	33.82
28 46 21 33-1597	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	146.73	33.82
28 46 21 33-1598	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	116.44	33.82
28 46 21 33-1599	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	120.65	33.82
28 46 21 33-1600	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	116.44	33.82
28 46 21 33-1601	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	164.40	33.82
28 46 21 33-1602	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	341.10	33.82
28 46 21 33-1603	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	302.05	56.37
28 46 21 33-1604	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	335.70	56.37
28 46 21 33-1605	EA	Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	177.52	56.37
28 46 21 33-1606	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	36.01	11.27
28 46 21 33-1607	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	366.34	33.82
28 46 21 33-1608	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	75.14	11.27
28 46 21 33-1609	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,271.17	67.64
28 46 21 33-1610		Velociti® Series Modules And Pull Station *(28 46 21 33-1593)*		
28 46 21 33-1611	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	98.52	22.55
28 46 21 33-1612	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	151.95	22.55
28 46 21 33-1613	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	106.93	22.55
28 46 21 33-1614	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	146.06	22.55
28 46 21 33-1615	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	123.76	22.55
28 46 21 33-1616	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	127.97	22.55
28 46 21 33-1617	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	185.69	45.09
28 46 21 33-1618	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	131.75	22.55
28 46 21 33-1619	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	21.64	4.51
28 46 21 33-1620		Components And Accessories *(28 46 21 33-1593)*		
28 46 21 33-1621	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	57.11	18.04
28 46 21 33-1622	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	28.56	9.02
28 46 21 33-1623	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	30.24	9.02
28 46 21 33-1624	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	36.43	11.27
28 46 21 33-1625	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	56.51	13.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1626	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	83.19	18.04
28 46 21 33-1627		**Fixed And Rate of Rise Heat Detectors** *(28 46 21 33-1593)*		
28 46 21 33-1628	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	81.94	33.82
28 46 21 33-1629	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	81.94	33.82
28 46 21 33-1630	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	81.94	33.82
28 46 21 33-1631	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	81.94	33.82
28 46 21 33-1632		**NAC Expander/Power Supply** *(28 46 21 33-1593)*		
28 46 21 33-1633	EA	FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,327.28	360.74
28 46 21 33-1634	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,167.41	360.74
28 46 21 33-1635	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,247.35	360.74
28 46 21 33-1636		**Batteries And Accessories** *(28 46 21 33-1550)*		
28 46 21 33-1637	EA	B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	189.81	22.55
28 46 21 33-1638	EA	B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	464.11	22.55
28 46 21 33-1639	EA	B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	105.67	22.55
28 46 21 33-1640	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	242.48	45.09
28 46 21 33-1641	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	242.48	45.09
28 46 21 33-1642	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	218.08	45.09
28 46 21 33-1643		**Electronic Door Holders** *(28 46 21 33-1550)* Note: Rixson products.		
28 46 21 33-1644	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	33.76	4.51
28 46 21 33-1645	EA	FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000)	269.58	33.82
28 46 21 33-1646	EA	FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	361.29	33.82
28 46 21 33-1647	EA	FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	178.20	33.82
28 46 21 33-1648	EA	FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003)	170.63	33.82
28 46 21 33-1649	EA	FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004)	178.20	33.82
28 46 21 33-1650	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	177.86	33.82
28 46 21 33-1651		**SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes** *(28 46 21 33-1550)* See CSI section 28 46 21 33-1815 for devices.		
28 46 21 33-1652		**SpectrAlert® Advance Accessories** *(28 46 21 33-1550)* See CSI section 28 46 21 33-1815 for backboxes, 28 46 21 33-2077 for backboxes.		
28 46 21 33-1653		**Fire Alarm Programming** *(28 46 21 33-1550)* Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 33-1654	EA	Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 33-1655	EA	Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1656	EA	Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1657		**Fire-Lite Fire Alarm** *(28 46 21 33-0981)*		
28 46 21 33-1658		**Addressable Control Panels** *(28 46 21 33-1657)*		
28 46 21 33-1659	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,386.13	450.93
28 46 21 33-1660	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,503.96	450.93
28 46 21 33-1661	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,136.49	450.93
28 46 21 33-1662	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	3,104.13	450.93
28 46 21 33-1663	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,991.71	450.93
28 46 21 33-1664		**Silent Knight Fire Alarm** *(28 46 21 33-0981)*		
28 46 21 33-1665	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,087.17	225.46
28 46 21 33-1666	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,296.03	135.28
28 46 21 33-1667	EA	50 Watt Amplifier (Silent Knight EVS-50W)	907.15	90.19
28 46 21 33-1668	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,590.39	90.19
28 46 21 33-1669	EA	Voice Evacuation System (Silent Knight SKE-450)	1,522.67	90.19
28 46 21 33-1670	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	1,268.72	90.19
28 46 21 33-1671	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,314.17	135.28
28 46 21 33-1672	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	973.65	90.19
28 46 21 33-1673	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	751.82	90.19
28 46 21 33-1674	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	652.70	90.19
28 46 21 33-1675	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	210.05	33.82
28 46 21 33-1676	EA	Photoelectric Detector (Silent Knight SK-PHOTO)	124.97	33.82
28 46 21 33-1677	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	130.89	33.82
28 46 21 33-1678	EA	Ionization Smoke Detector (Silent Knight SK-ION)	131.55	33.82
28 46 21 33-1679	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	116.25	33.82
28 46 21 33-1680	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	121.66	33.82
28 46 21 33-1681	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	123.65	33.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1682	EA	Sounder Base (Silent Knight B200SR)	71.29	11.27
28 46 21 33-1683	EA	Intelligent Sounder Base (Silent Knight B200S)	75.25	11.27
28 46 21 33-1684	EA	Isolator Base (Silent Knight B224BI)	60.11	11.27
28 46 21 33-1685	EA	Relay Base (Silent Knight B224RB)	60.76	11.27
28 46 21 33-1686	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	133.62	33.82
28 46 21 33-1687	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT)	207.57	33.82
28 46 21 33-1688	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	701.30	33.82
28 46 21 33-1689	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	799.25	33.82
28 46 21 33-1690	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2)	156.46	33.82
28 46 21 33-1691	EA	Supervised Control Module (Silent Knight SK-CONTROL)	132.35	33.82
28 46 21 33-1692	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	420.58	45.09
28 46 21 33-1693	EA	Relay Control Module (Silent Knight SK-RELAY)	111.07	22.55
28 46 21 33-1694	EA	Six Relay Control Module (Silent Knight SK-RELAY-6)	407.11	45.09
28 46 21 33-1695	EA	Zone Interface Module (Silent Knight SK-ZONE)	134.89	33.82
28 46 21 33-1696	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	484.20	45.09
28 46 21 33-1697	EA	Monitor Module (Silent Knight SK-MONITOR)	117.71	33.82
28 46 21 33-1698	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	469.53	45.09
28 46 21 33-1699	EA	Monitor Module (Silent Knight SK-MINIMON)	110.47	33.82
28 46 21 33-1700	EA	Fault Isolator Module (Silent Knight SK-ISO)	121.66	33.82
28 46 21 33-1701	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	119.69	33.82
28 46 21 33-1702	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	129.03	33.82
28 46 21 33-1703	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	121.66	33.82
28 46 21 33-1704	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	86.46	11.27
28 46 21 33-1705	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	81.84	11.27
28 46 21 33-1706	EA	6" Isolator Base (Silent Knight SD505-6IB)	74.60	11.27
28 46 21 33-1707	EA	Addressable Input Module (Silent Knight SD500-AIM)	121.01	33.82
28 46 21 33-1708	EA	Addressable Notification Module (Silent Knight SD500-ANM)	146.31	33.82
28 46 21 33-1709	EA	Addressable Relay Module (Silent Knight SD500-ARM)	132.35	33.82
28 46 21 33-1710	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	491.37	67.64
28 46 21 33-1711	EA	Loop Isolation Module (Silent Knight SD500-LIM)	125.61	33.82
28 46 21 33-1712	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	97.14	22.55
28 46 21 33-1713	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	122.49	22.55
28 46 21 33-1714	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	117.41	22.55
28 46 21 33-1715	EA	Back Box (Silent Knight SK-PSSMBB)	57.32	18.04
28 46 21 33-1716	EA	Smoke Detector Module (Silent Knight SD500-SDM)	138.69	33.82
28 46 21 33-1717	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	34.60	11.27
28 46 21 33-1718	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	34.60	11.27
28 46 21 33-1719	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	216.24	33.82
28 46 21 33-1720	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	276.92	33.82
28 46 21 33-1721	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	124.30	33.82
28 46 21 33-1722	EA	Intelligent Power Module (Silent Knight 5895XL)	705.32	90.19
28 46 21 33-1723	EA	Addressable Power Supply (Silent Knight 5496)	493.81	67.64
28 46 21 33-1724	EA	Relay Interface Board (Silent Knight 5883)	187.50	22.55
28 46 21 33-1725	EA	Remote LED Annunciator (Silent Knight 5865-3)	385.08	45.09
28 46 21 33-1726	EA	Remote LED Annunciator (Silent Knight 5865-4)	433.79	45.09
28 46 21 33-1727	EA	Remote LCD Annunciator (Silent Knight SK-5860)	421.61	67.64
28 46 21 33-1728	EA	Serial/Parallel Printer Interface (Silent Knight 5824)	264.28	22.55
28 46 21 33-1729	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880)	313.59	33.82
28 46 21 33-1730	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	117.41	22.55
28 46 21 33-1731	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	404.48	67.64
28 46 21 33-1732	EA	Communicator (Silent Knight IPGSM-4G)	574.84	45.09
28 46 21 33-1733	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	916.82	90.19
28 46 21 33-1734	EA	10 Zone Expander (Silent Knight SK-5217)	255.61	22.55
28 46 21 33-1735	EA	Remote Annunciator (Silent Knight SK-5235)	266.03	45.09
28 46 21 33-1736	EA	Status Display Module (Silent Knight 5280)	81.33	22.55
28 46 21 33-1737	EA	Serial/Parallel Module (Silent Knight 5824)	309.38	45.09
28 46 21 33-1738	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	538.90	90.19
28 46 21 33-1739	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	548.69	90.19
28 46 21 33-1740	EA	Dress Panel (Silent Knight SK-DP2/4)	104.38	22.55
28 46 21 33-1741	EA	Class A Convertor (Silent Knight SK-CAC4)	260.82	33.82
28 46 21 33-1742	EA	Transmitter Module (Silent Knight SK-4XTM	145.04	33.82
28 46 21 33-1743	EA	LED Interface Module (Silent Knight SK-4XLM	134.89	33.82
28 46 21 33-1744	EA	110 VAC Transformer, 3-6A (Silent Knight SK-XRM24)	132.64	22.55
28 46 21 33-1745	EA	Remote Annunciator (Silent Knight SK-RZA4)	134.89	33.82
28 46 21 33-1746	EA	Zone Relay Module (Silent Knight SK-4XZM)	143.77	33.82
28 46 21 33-1747	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	471.59	90.19
28 46 21 33-1748	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	117.41	22.55
28 46 21 33-1749	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	69.66	22.55
28 46 21 33-1750	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	74.56	22.55
28 46 21 33-1751	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	73.18	22.55
28 46 21 33-1752	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	66.46	22.55
28 46 21 33-1753	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	137.85	27.06
28 46 21 33-1754	EA	6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	465.67	67.64
28 46 21 33-1755	EA	9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	519.51	67.64

28 46 21 33-1756 Alerton *(28 46 21 33)*

28 46 21 33-1757	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	403.25	6.76

28 46 21 33-1758 Cooper Fire Alarm *(28 46 21 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1759	EA	Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R)	144.59	22.55
28 46 21 33-1760	EA	Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,359.45	38.33
28 46 21 33-1761	EA	Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	3,105.73	38.33
28 46 21 33-1762	EA	Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	1,149.08	45.09
28 46 21 33-1763	EA	Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	1,155.71	45.09
28 46 21 33-1764	EA	Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	1,155.71	45.09
28 46 21 33-1765	EA	Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	862.18	45.09
28 46 21 33-1766	EA	Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	862.18	45.09
28 46 21 33-1767	EA	Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	862.18	45.09
28 46 21 33-1768	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,155.71	45.09
28 46 21 33-1769	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,155.71	45.09
28 46 21 33-1770	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,155.71	45.09
28 46 21 33-1771	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	1,155.71	45.09
28 46 21 33-1772	EA	Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	1,155.71	45.09
28 46 21 33-1773	EA	Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	1,327.36	45.09
28 46 21 33-1774	EA	Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	1,234.49	45.09
28 46 21 33-1775	EA	Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	1,234.49	45.09
28 46 21 33-1776	EA	Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	1,234.49	45.09

28 46 21 33-1777 Light Engineered Displays Message Boards *(28 46 21 33)*

28 46 21 33-1778	EA	Two Message Sign, “Announcement” And “Evacuate” (LED SP-2/MNS)	423.10	27.06
28 46 21 33-1779	EA	Four Message Sign, “Fire”, “Weather”, “Announcement”, “E Voltuate” (LED SP-4)	514.32	27.06

28 46 21 33-1780 STI Fire Alarm *(28 46 21 33)*

28 46 21 33-1781	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) Note: Include 9 VDC self contained battery.	100.72	13.53
28 46 21 33-1782	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	132.37	13.53
28 46 21 33-1783	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	89.56	13.53
28 46 21 33-1784	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	81.33	13.53
28 46 21 33-1785	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	72.29	13.53
28 46 21 33-1786	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	81.33	13.53
28 46 21 33-1787	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	81.15	13.53
28 46 21 33-1788	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	164.71	13.53
28 46 21 33-1789	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	107.65	13.53
28 46 21 33-1790	EA	Backplate For Polycarbonate Cover (STI-1280)	50.07	13.53
28 46 21 33-1791	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	35.56	13.53
28 46 21 33-1792	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	59.19	13.53
28 46 21 33-1793	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	111.64	13.53
28 46 21 33-1794	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	98.99	13.53
28 46 21 33-1795	EA	24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550)	513.80	13.53
28 46 21 33-1796	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	80.13	13.53
28 46 21 33-1797	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	73.91	13.53
28 46 21 33-1798	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	68.11	13.53
28 46 21 33-1799	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	73.91	13.53
28 46 21 33-1800	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	68.11	13.53
28 46 21 33-1801	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	73.91	13.53
28 46 21 33-1802	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	68.11	13.53
28 46 21 33-1803	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	123.25	13.53
28 46 21 33-1804	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	62.72	13.53
28 46 21 33-1805	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	62.72	13.53
28 46 21 33-1806	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	95.05	13.53
28 46 21 33-1807	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	95.05	13.53
28 46 21 33-1808	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	68.52	13.53
28 46 21 33-1809	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	68.52	13.53
28 46 21 33-1810	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	62.72	13.53
28 46 21 33-1811	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	68.11	13.53
28 46 21 33-1812	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	68.52	13.53
28 46 21 33-1813	EA	Yellow, “High Threat”, Push Button Station (STI SS-2201)	70.54	6.76
28 46 21 33-1814	EA	Gasket Kit For STI Covers (STI SUB-121)	31.56	

28 46 21 33-1815 System Sensor Fire Alarm *(28 46 21 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1816		**Smoke Detectors** *(28 46 21 33-1815)*		
28 46 21 33-1817	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	42.19	4.51
28 46 21 33-1818	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	170.71	4.51
28 46 21 33-1819	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	216.23	45.09
28 46 21 33-1820	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	160.67	45.09
28 46 21 33-1821	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	132.48	45.09
28 46 21 33-1822	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	121.09	33.82
28 46 21 33-1823	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	123.20	33.82
28 46 21 33-1824	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	126.85	33.82
28 46 21 33-1825	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	122.94	33.82
28 46 21 33-1826	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B)	131.49	33.82
28 46 21 33-1827	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	129.73	33.82
28 46 21 33-1828	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	157.19	33.82
28 46 21 33-1829	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	93.18	22.55
28 46 21 33-1830	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	104.79	22.55
28 46 21 33-1831	EA	Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	195.02	11.27
28 46 21 33-1832	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	68.16	11.27
28 46 21 33-1833		**Duct Smoke Detectors** *(28 46 21 33-1815)*		
28 46 21 33-1834	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	252.76	33.82
28 46 21 33-1835	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	255.45	33.82
28 46 21 33-1836	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	328.11	38.33
28 46 21 33-1837	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	166.15	22.55
28 46 21 33-1838	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	45.04	6.76
28 46 21 33-1839	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	142.97	18.04
28 46 21 33-1840	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	231.76	22.55
28 46 21 33-1841	EA	1' Steel Sampling Tube (System Sensor DST1)	27.16	9.02
28 46 21 33-1842	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	29.23	9.02
28 46 21 33-1843	EA	3' Steel Sampling Tube (System Sensor DST3)	33.38	9.02
28 46 21 33-1844	EA	5' Steel Sampling Tube (System Sensor DST5)	39.41	11.27
28 46 21 33-1845	EA	10' Steel Sampling Tube (System Sensor DST10)	61.68	13.53
28 46 21 33-1846	EA	1', Steel, Exhaust Tube Duct (System Sensor ETX)	30.06	9.02
28 46 21 33-1847	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	68.78	11.27
28 46 21 33-1848	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	145.11	
28 46 21 33-1849	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	155.89	
28 46 21 33-1850		**Heat Detectors** *(28 46 21 33-1815)*		
28 46 21 33-1851	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	84.91	33.82
28 46 21 33-1852	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	84.91	33.82
28 46 21 33-1853	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	98.07	33.82
28 46 21 33-1854	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	98.07	33.82
28 46 21 33-1855		**Horns** *(28 46 21 33-1815)*		
28 46 21 33-1856	EA	Red, Mini Horn (System Sensor MHR)	90.44	33.82
28 46 21 33-1857	EA	White, Mini Horn (System Sensor MHW)	90.44	33.82
28 46 21 33-1858	EA	White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW)	102.05	33.82
28 46 21 33-1859	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	113.97	38.33
28 46 21 33-1860	EA	Red, Interior, Wall Mounted, Horn (System Sensor HR)	101.77	33.82
28 46 21 33-1861	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	121.09	33.82
28 46 21 33-1862		**Wall Mounted Horns/Strobes** *(28 46 21 33-1815)*		
28 46 21 33-1863	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R)	130.66	33.82
28 46 21 33-1864	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	135.63	33.82
28 46 21 33-1865	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	172.85	38.33
28 46 21 33-1866	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	172.85	38.33
28 46 21 33-1867	EA	Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF)	180.41	33.82
28 46 21 33-1868	EA	Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	185.29	38.33
28 46 21 33-1869	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	163.31	38.33
28 46 21 33-1870	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	167.87	38.33
28 46 21 33-1871	EA	Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	146.41	33.82
28 46 21 33-1872	EA	Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	130.66	33.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1873	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W)	130.66	33.82
28 46 21 33-1874	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	136.46	33.82
28 46 21 33-1875	EA	Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF)	180.41	33.82
28 46 21 33-1876	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	172.85	38.33
28 46 21 33-1877	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	172.85	38.33
28 46 21 33-1878	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	135.63	33.82
28 46 21 33-1879	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	167.87	38.33
28 46 21 33-1880	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	167.87	38.33
28 46 21 33-1881	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	130.66	33.82
28 46 21 33-1882	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	147.40	33.82
28 46 21 33-1883	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	150.69	33.82
28 46 21 33-1884	EA	Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	173.69	38.33
28 46 21 33-1885	EA	Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	164.56	38.33
28 46 21 33-1886	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	148.07	33.82
28 46 21 33-1887	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	169.53	38.33
28 46 21 33-1888	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	174.51	38.33

28 46 21 33-1889 Ceiling Mounted Horns/Strobes *(28 46 21 33-1815)*

28 46 21 33-1890	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R)	130.66	33.82
28 46 21 33-1891	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	137.29	33.82
28 46 21 33-1892	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	172.85	38.33
28 46 21 33-1893	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	167.87	38.33
28 46 21 33-1894	EA	Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	131.49	33.82
28 46 21 33-1895	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W)	130.66	33.82
28 46 21 33-1896	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	137.29	33.82
28 46 21 33-1897	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	172.85	38.33
28 46 21 33-1898	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	137.29	33.82
28 46 21 33-1899	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	167.87	38.33
28 46 21 33-1900	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	130.66	33.82
28 46 21 33-1901	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R)	147.40	33.82
28 46 21 33-1902	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	150.69	33.82
28 46 21 33-1903	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	148.07	33.82

28 46 21 33-1904 Wall Mounted Strobes *(28 46 21 33-1815)*

28 46 21 33-1905	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	50.74	11.27
28 46 21 33-1906	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	93.86	11.27
28 46 21 33-1907	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	117.80	33.82
28 46 21 33-1908	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	129.31	33.82
28 46 21 33-1909	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	156.42	38.33
28 46 21 33-1910	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	154.78	38.33
28 46 21 33-1911	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	155.43	38.33
28 46 21 33-1912	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	137.19	38.33
28 46 21 33-1913	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	118.22	33.82
28 46 21 33-1914	EA	White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	118.22	33.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1915	EA	White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	127.34	33.82
28 46 21 33-1916	EA	White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	124.85	33.82
28 46 21 33-1917	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	129.83	33.82
28 46 21 33-1918	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	129.00	33.82
28 46 21 33-1919	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	129.00	33.82
28 46 21 33-1920	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	157.09	38.33
28 46 21 33-1921	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	157.09	38.33
28 46 21 33-1922	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	157.09	38.33
28 46 21 33-1923	EA	Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	140.51	38.33
28 46 21 33-1924	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	155.43	38.33
28 46 21 33-1925	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	155.43	38.33
28 46 21 33-1926	EA	White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P)	117.39	33.82
28 46 21 33-1927	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	18.14	4.51
28 46 21 33-1928	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	18.14	4.51
28 46 21 33-1929	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	18.14	4.51
28 46 21 33-1930	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	18.14	4.51
28 46 21 33-1931		**Ceiling Mounted Strobes** *(28 46 21 33-1815)*		
28 46 21 33-1932	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR)	117.80	33.82
28 46 21 33-1933	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	130.96	33.82
28 46 21 33-1934	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	156.42	38.33
28 46 21 33-1935	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	156.42	38.33
28 46 21 33-1936	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW)	118.22	33.82
28 46 21 33-1937	EA	Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT)	124.85	33.82
28 46 21 33-1938	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	131.49	33.82
28 46 21 33-1939	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	157.09	38.33
28 46 21 33-1940	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	155.43	38.33
28 46 21 33-1941	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	119.05	33.82
28 46 21 33-1942	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	18.14	4.51
28 46 21 33-1943	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	18.14	4.51
28 46 21 33-1944	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	18.14	4.51
28 46 21 33-1945	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	18.14	4.51
28 46 21 33-1946		**Wall Mounted Speakers** *(28 46 21 33-1815)*		
28 46 21 33-1947	EA	24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	274.11	33.82
28 46 21 33-1948	EA	Red, Wall Mounted Speaker (System Sensor SPR)	99.71	33.82
28 46 21 33-1949	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	142.68	33.82
28 46 21 33-1950	EA	Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	126.00	38.33
28 46 21 33-1951	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	108.76	33.82
28 46 21 33-1952	EA	White, Wall Mounted Speaker (System Sensor SPW)	99.98	33.82
28 46 21 33-1953	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	151.70	38.33
28 46 21 33-1954	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	109.10	33.82
28 46 21 33-1955		**Ceiling Mounted Speakers** *(28 46 21 33-1815)*		
28 46 21 33-1956	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR)	99.71	33.82
28 46 21 33-1957	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	142.06	33.82
28 46 21 33-1958	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	108.76	33.82
28 46 21 33-1959	EA	White, Ceiling Mounted Speaker (System Sensor SPCW)	99.98	33.82
28 46 21 33-1960	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	109.10	33.82
28 46 21 33-1961	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	151.70	38.33
28 46 21 33-1962		**Wall Mounted Speakers/Strobes** *(28 46 21 33-1815)*		
28 46 21 33-1963	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW)	101.32	11.27
28 46 21 33-1964	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW)	50.74	11.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1965	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR)	151.52	33.82
28 46 21 33-1966	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	160.56	33.82
28 46 21 33-1967	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	211.52	38.33
28 46 21 33-1968	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	212.65	38.33
28 46 21 33-1969	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	182.80	38.33
28 46 21 33-1970	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P)	152.22	33.82
28 46 21 33-1971	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	155.63	33.82
28 46 21 33-1972	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT)	170.46	33.82
28 46 21 33-1973	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	215.97	38.33
28 46 21 33-1974	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW)	152.22	33.82
28 46 21 33-1975	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	161.34	33.82
28 46 21 33-1976	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	161.34	33.82
28 46 21 33-1977	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	212.65	38.33
28 46 21 33-1978	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	212.65	38.33
28 46 21 33-1979	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P)	152.22	33.82
28 46 21 33-1980	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	156.36	33.82
28 46 21 33-1981	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	156.36	33.82

28 46 21 33-1982 Ceiling Mounted Speakers/Strobes *(28 46 21 33-1815)*

28 46 21 33-1983	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR)	151.52	33.82
28 46 21 33-1984	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	162.21	33.82
28 46 21 33-1985	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	155.63	33.82
28 46 21 33-1986	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	152.22	33.82
28 46 21 33-1987	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	163.00	33.82
28 46 21 33-1988	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	161.34	33.82
28 46 21 33-1989	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	215.14	38.33
28 46 21 33-1990	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	161.34	33.82
28 46 21 33-1991	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	215.97	38.33
28 46 21 33-1992	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	212.65	38.33
28 46 21 33-1993	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	152.22	33.82
28 46 21 33-1994	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	156.36	33.82
28 46 21 33-1995	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	161.34	33.82
28 46 21 33-1996	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	156.36	33.82
28 46 21 33-1997	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	161.11	33.82

28 46 21 33-1998 Electric Alarm Bells *(28 46 21 33-1815)*

28 46 21 33-1999	EA	6" 24 Volt DC Alarm Bell (System Sensor SSM24-6)	118.22	33.82
28 46 21 33-2000	EA	8" 24 Volt DC Alarm Bell (System Sensor SSM24-8)	127.34	33.82
28 46 21 33-2001	EA	10" 24 Volt DC Alarm Bell (System Sensor SSM24-10)	148.41	33.82

28 46 21 33-2002 Device Bases *(28 46 21 33-1815)*

28 46 21 33-2003	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	86.40	11.27
28 46 21 33-2004	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	84.33	11.27
28 46 21 33-2005	EA	Intelligent Isolator Base (System Sensor B224BI)	70.02	11.27
28 46 21 33-2006	EA	Intelligent Relay Base (System Sensor B224RB)	71.06	11.27
28 46 21 33-2007	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	41.41	11.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2008		**Boxes, Plates And Decals** *(28 46 21 33-1815)*		
28 46 21 33-2009	EA	Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP)	36.23	11.27
28 46 21 33-2010	EA	Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP)	67.28	13.53
28 46 21 33-2011	EA	Conventional Flanged Mounting Base (System Sensor B210LP)	34.99	11.27
28 46 21 33-2012	EA	120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	64.84	11.27
28 46 21 33-2013	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	57.38	11.27
28 46 21 33-2014	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	63.18	11.27
28 46 21 33-2015	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	57.38	11.27
28 46 21 33-2016	EA	Red Retrofit Plate (System Sensor RFP)	28.12	6.76
28 46 21 33-2017	EA	White Retrofit Plate (System Sensor RFPW)	28.12	6.76
28 46 21 33-2018	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	49.08	11.27
28 46 21 33-2019	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	50.33	11.27
28 46 21 33-2020	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR)	42.04	11.27
28 46 21 33-2021	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	42.04	11.27
28 46 21 33-2022	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	36.23	11.27
28 46 21 33-2023	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	40.38	11.27
28 46 21 33-2024	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	40.38	11.27
28 46 21 33-2025	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	36.23	11.27
28 46 21 33-2026	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	35.82	11.27
28 46 21 33-2027	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	35.82	11.27
28 46 21 33-2028	EA	Red, Wall Mounted, Trim Ring (System Sensor TR)	15.07	4.51
28 46 21 33-2029	EA	Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	15.07	4.51
28 46 21 33-2030	EA	White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	15.07	4.51
28 46 21 33-2031	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	13.12	4.51
28 46 21 33-2032	EA	White, Wall Mounted, Trim Ring (System Sensor TRW)	15.07	4.51
28 46 21 33-2033	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	19.14	
28 46 21 33-2034	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	26.53	
28 46 21 33-2035	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	19.14	
28 46 21 33-2036	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	26.53	
28 46 21 33-2037		**Chimes** *(28 46 21 33-1815)*		
28 46 21 33-2038	EA	Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	104.95	33.82
28 46 21 33-2039	EA	White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	104.95	33.82
28 46 21 33-2040		**Chime/Strobes** *(28 46 21 33-1815)*		
28 46 21 33-2041	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	182.90	33.82
28 46 21 33-2042	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	182.90	33.82
28 46 21 33-2043		**Carbon Monoxide Detectors** *(28 46 21 33-1815)*		
28 46 21 33-2044	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	194.21	45.09
28 46 21 33-2045	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	172.53	33.82
28 46 21 33-2046	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	12.34	4.51
28 46 21 33-2047		**Switches** *(28 46 21 33-1815)*		
28 46 21 33-2048	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	144.70	18.04
28 46 21 33-2049	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	161.28	18.04
28 46 21 33-2050	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	144.70	18.04
28 46 21 33-2051	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	161.28	18.04
28 46 21 33-2052	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	148.01	18.04
28 46 21 33-2053	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	139.72	18.04
28 46 21 33-2054		**Low Frequency Sounders** *(28 46 21 33-1815)*		
28 46 21 33-2055	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	132.32	33.82
28 46 21 33-2056	EA	White, Low Frequency Sounder (System Sensor HW-LF)	132.32	33.82
28 46 21 33-2057		**Sync Modules** *(28 46 21 33-1815)*		
28 46 21 33-2058	EA	Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	115.57	22.55
28 46 21 33-2059	EA	White, 12/24 VDC, Sync Module (System Sensor MDL3W)	115.57	22.55
28 46 21 33-2060		**Relays** *(28 46 21 33-1815)*		
28 46 21 33-2061	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	66.50	18.04
28 46 21 33-2062	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	42.78	11.27
28 46 21 33-2063	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	120.40	11.27
28 46 21 33-2064	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	89.09	11.27
28 46 21 33-2065	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	71.23	18.04
28 46 21 33-2066	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	44.11	11.27
28 46 21 33-2067	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	135.32	11.27
28 46 21 33-2068	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	101.32	11.27
28 46 21 33-2069	EA	18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	37.48	11.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2070	EA	10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	37.48	11.27
28 46 21 33-2071	EA	Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	37.48	11.27
28 46 21 33-2072		**Remote Annunciator** *(28 46 21 33-1815)*		
28 46 21 33-2073	EA	Remote Annunciator (System Sensor RA100Z)	79.08	33.82
28 46 21 33-2074	EA	Remote LED Annunciator (System Sensor RA100ZA)	83.72	33.82
28 46 21 33-2075		**Remote Test Station** *(28 46 21 33-1815)*		
28 46 21 33-2076	EA	Remote Test Station With Key (System Sensor RTS151KEY)	104.26	33.82
28 46 21 33-2077		**Wheelock Fire Alarm** *(28 46 21 33)*		
28 46 21 33-2078		**Ceiling Mounted Chimes/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2079	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	211.92	33.82
28 46 21 33-2080		**Wall Mounted Chimes/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2081	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	211.92	33.82
28 46 21 33-2082	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	211.92	33.82
28 46 21 33-2083		**Ceiling Mounted Horns/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2084	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	134.81	33.82
28 46 21 33-2085	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	134.81	33.82
28 46 21 33-2086		**Wall Mounted Horns/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2087	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	143.93	33.82
28 46 21 33-2088	EA	Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	162.17	33.82
28 46 21 33-2089	EA	Red, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	151.39	33.82
28 46 21 33-2090	EA	White, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	151.39	33.82
28 46 21 33-2091	EA	Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	154.71	33.82
28 46 21 33-2092	EA	Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	148.49	33.82
28 46 21 33-2093	EA	Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	148.07	33.82
28 46 21 33-2094	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	167.04	38.33
28 46 21 33-2095	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	135.22	33.82
28 46 21 33-2096	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	135.22	33.82
28 46 21 33-2097		**Ceiling Mounted Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2098	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	121.12	33.82
28 46 21 33-2099	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	121.12	33.82
28 46 21 33-2100	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	123.20	33.82
28 46 21 33-2101	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	123.20	33.82
28 46 21 33-2102		**Wall Mounted Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2103	EA	Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	183.73	33.82
28 46 21 33-2104	EA	Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	150.56	33.82
28 46 21 33-2105	EA	Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	133.15	33.82
28 46 21 33-2106	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	124.85	33.82
28 46 21 33-2107	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	124.85	33.82
28 46 21 33-2108	EA	Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	136.88	33.82
28 46 21 33-2109	EA	Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	141.34	38.33
28 46 21 33-2110	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	123.20	33.82
28 46 21 33-2111	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	123.20	33.82
28 46 21 33-2112		**Ceiling Mounted Speakers/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2113	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	160.51	33.82
28 46 21 33-2114	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	160.51	33.82
28 46 21 33-2115	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	158.85	33.82
28 46 21 33-2116	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	160.51	33.82
28 46 21 33-2117	EA	White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	170.88	33.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2118	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	174.61	33.82
28 46 21 33-2119		**Wall Mounted Speakers/Strobes** *(28 46 21 33-2077)*		
28 46 21 33-2120	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	176.27	33.82
28 46 21 33-2121	EA	White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	176.27	33.82
28 46 21 33-2122	EA	Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	170.88	33.82
28 46 21 33-2123	EA	White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	170.88	33.82
28 46 21 33-2124	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	160.51	33.82
28 46 21 33-2125	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	157.19	33.82
28 46 21 33-2126	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	170.88	33.82
28 46 21 33-2127	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	170.88	33.82
28 46 21 33-2128	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	174.61	33.82
28 46 21 33-2129	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	160.51	33.82
28 46 21 33-2130	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	157.19	33.82
28 46 21 33-2131	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	170.88	33.82
28 46 21 33-2132	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	174.61	33.82
28 46 21 33-2133	EA	Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	174.61	33.82
28 46 21 33-2134	EA	White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	174.61	33.82
28 46 21 33-2135	EA	Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	190.68	38.33
28 46 21 33-2136		**Electric Alarm Bells** *(28 46 21 33-2077)*		
28 46 21 33-2137	EA	6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	137.71	33.82
28 46 21 33-2138	EA	6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	137.71	33.82
28 46 21 33-2139	EA	10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	176.27	33.82
28 46 21 33-2140	EA	115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R)	1,163.74	38.33
28 46 21 33-2141	EA	Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	1,834.56	38.33
28 46 21 33-2142	EA	Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R)	1,714.33	38.33
28 46 21 33-2143	EA	6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R)	112.83	33.82
28 46 21 33-2144	EA	10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R)	132.32	33.82
28 46 21 33-2145		**Horns** *(28 46 21 33-2077)*		
28 46 21 33-2146	EA	Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R)	100.81	33.82
28 46 21 33-2147	EA	Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR)	100.39	33.82
28 46 21 33-2148	EA	White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW)	100.39	33.82
28 46 21 33-2149	EA	Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNRC)	100.81	33.82
28 46 21 33-2150	EA	White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNWC)	100.81	33.82
28 46 21 33-2151	EA	Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	86.71	33.82
28 46 21 33-2152	EA	White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	86.71	33.82
28 46 21 33-2153	EA	Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R)	98.74	33.82
28 46 21 33-2154		**Speakers** *(28 46 21 33-2077)*		
28 46 21 33-2155	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R)	103.30	33.82
28 46 21 33-2156	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W)	103.30	33.82
28 46 21 33-2157	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R)	103.30	33.82
28 46 21 33-2158	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W)	101.22	33.82
28 46 21 33-2159	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	103.30	33.82
28 46 21 33-2160	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	103.30	33.82
28 46 21 33-2161	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	103.30	33.82
28 46 21 33-2162	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	103.30	33.82
28 46 21 33-2163	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R)	116.56	33.82
28 46 21 33-2164	EA	White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W)	116.56	33.82
28 46 21 33-2165	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W)	118.22	33.82
28 46 21 33-2166	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	130.24	33.82
28 46 21 33-2167	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	124.85	33.82
28 46 21 33-2168	EA	Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S)	232.65	33.82
28 46 21 33-2169	EA	Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR)	232.65	33.82
28 46 21 33-2170		**Sync Modules** *(28 46 21 33-2077)*		
28 46 21 33-2171	EA	12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	109.77	22.55
28 46 21 33-2172		**Boxes, Plates And Rings** *(28 46 21 33-2077)*		
28 46 21 33-2173	EA	4" Square, Red, Surface Backbox (Wheelock BB-R)	30.22	11.27
28 46 21 33-2174	EA	Standard 4" Square Box (Wheelock BB-STD)	28.02	11.27
28 46 21 33-2175	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC)	149.57	22.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2176	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	149.57	22.55
28 46 21 33-2177	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	111.53	18.04
28 46 21 33-2178	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	16.28	4.51
28 46 21 33-2179	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	16.07	4.51
28 46 21 33-2180	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	38.72	11.27
28 46 21 33-2181	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	37.06	11.27
28 46 21 33-2182	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	39.55	11.27
28 46 21 33-2183	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	39.55	11.27
28 46 21 33-2184	EA	4" Square Backbox (Wheelock DBB-R)	32.09	11.27
28 46 21 33-2185	EA	Red, Surface Backbox (Wheelock IOB-R)	37.89	11.27
28 46 21 33-2186	EA	White, Surface, Backbox (Wheelock IOB-W)	37.89	11.27
28 46 21 33-2187	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	15.45	4.51
28 46 21 33-2188	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	16.07	4.51
28 46 21 33-2189	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	16.07	4.51
28 46 21 33-2190	EA	Red Retrofit Plate (Wheelock RP-R)	18.56	4.51
28 46 21 33-2191	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	26.43	4.51
28 46 21 33-2192	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	39.55	11.27
28 46 21 33-2193	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	39.55	11.27
28 46 21 33-2194	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	42.66	11.27
28 46 21 33-2195	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	16.69	4.51
28 46 21 33-2196	EA	White, Semi-Flush Plate (Wheelock SFB-W)	16.69	4.51
28 46 21 33-2197	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	34.99	11.27
28 46 21 33-2198	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	34.99	11.27
28 46 21 33-2199	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	22.91	4.51
28 46 21 33-2200	EA	Red, Weatherproof Backbox (Wheelock WBB)	49.08	11.27
28 46 21 33-2201	EA	Weather Resistant Backbox (Wheelock WBB-R)	39.55	11.27
28 46 21 33-2202	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	29.13	4.51
28 46 21 33-2203	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	29.13	4.51
28 46 21 33-2204	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	29.13	4.51
28 46 21 33-2205	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	29.13	4.51
28 46 21 33-2206	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	16.69	4.51
28 46 21 33-2207	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	41.62	11.27
28 46 21 33-2208	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	39.55	11.27
28 46 21 33-2209		Manual Pull Station *(28 46 21 33-2077)*		
28 46 21 33-2210	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	83.59	22.55
28 46 21 33-2211	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	83.59	22.55
28 46 21 33-2212	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	626.44	22.55
28 46 21 33-2213		Fire Alarm Terminal Cabinets *(28 46 21 33)*		
28 46 21 33-2214	EA	18 Point Lockable Fire Alarm Terminal Cabinet	157.48	45.16
28 46 21 33-2215	EA	32 Point Lockable Fire Alarm Terminal Cabinet	197.78	45.16
28 46 21 33-2216	EA	64 Point Lockable Fire Alarm Terminal Cabinet	278.39	45.16
28 46 21 33-2217	EA	128 Point Lockable Fire Alarm Terminal Cabinet	358.97	45.16

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	489.26
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	771.09
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	666.18

31 05 Common Work Results For Earthwork *(31)*

31 05 13 Soils For Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Sand, Bank Run	57.04
		For Up To 10, Add	*16.52*
		For >10 To 25, Add	*5.70*
31 05 13 00-0003	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	59.42
		For Up To 10, Add	*17.23*
		For >10 To 25, Add	*5.94*
31 05 13 00-0004	CY	Native Clean Fill Soil/Dirt - Common	35.17
		For Up To 10, Add	*9.96*
		For >10 To 25, Add	*3.52*
31 05 13 00-0005	CY	Lime Rock Screening	38.39
		For Up To 10, Add	*10.92*
		For >10 To 25, Add	*3.84*
31 05 13 00-0006	CY	Crushed Lime Rock Maximum 3-1/2"	35.14
		For Up To 10, Add	*9.95*
		For >10 To 25, Add	*3.51*
31 05 13 00-0007	CY	Asphalt Sand	52.90
		For Up To 10, Add	*15.27*
		For >10 To 25, Add	*5.29*
31 05 13 00-0008	CY	Lawn Sand	41.15
		For Up To 10, Add	*11.75*
		For >10 To 25, Add	*4.12*
31 05 13 00-0009	CY	Sand/Clay	55.73
		For Up To 10, Add	*16.12*
		For >10 To 25, Add	*5.57*
31 05 13 00-0010	CY	Recycled Concrete Aggregate	75.50
		For Up To 10, Add	*22.05*
		For >10 To 25, Add	*7.55*
31 05 13 00-0011	CY	Sand Fill, Washed Aggregate	79.05
		For Up To 10, Add	*23.12*
		For >10 To 25, Add	*7.91*
31 05 13 00-0012	CY	Pond Sand	31.01
		For Up To 10, Add	*8.71*
		For >10 To 25, Add	*3.10*
31 05 13 00-0013	CY	Pitrun Clay	43.66
		For Up To 10, Add	*12.50*
		For >10 To 25, Add	*4.37*
31 05 13 00-0014	CY	Light Clay / Loam	66.19
		For Up To 10, Add	*19.26*
		For >10 To 25, Add	*6.62*
31 05 13 00-0015	CY	Heavy Clay	55.01
		For Up To 10, Add	*15.91*
		For >10 To 25, Add	*5.50*
31 05 13 00-0016	CY	SDG&E Sand	30.51
31 05 13 00-0017	TON	SDG&E B20 Sand	32.06

31 05 16 Aggregates For Earthwork *(31 05)*

See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles, 01 74 19 00-0051 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	59.85
		For Up To 10, Add	*17.36*
		For >10 To 25, Add	*5.99*
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	51.35
		For Up To 10, Add	*14.81*
		For >10 To 25, Add	*5.14*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	52.43	
		For Up To 10, Add	*15.13*	
		For >10 To 25, Add	*5.24*	
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	57.54	
		For Up To 10, Add	*16.67*	
		For >10 To 25, Add	*5.75*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	58.58	
		For Up To 10, Add	*16.98*	
		For >10 To 25, Add	*5.86*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	60.68	
		For Up To 10, Add	*17.61*	
		For >10 To 25, Add	*6.07*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (#4 To 1")	61.92	
		For Up To 10, Add	*17.98*	
		For >10 To 25, Add	*6.19*	
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (#4 To 3/4")	63.09	
		For Up To 10, Add	*18.33*	
		For >10 To 25, Add	*6.31*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (1/2" To #4)	63.30	
		For Up To 10, Add	*18.39*	
		For >10 To 25, Add	*6.33*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (#8 To 1/2")	65.41	
		For Up To 10, Add	*19.03*	
		For >10 To 25, Add	*6.54*	
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/8" x 1/8")	67.51	
		For Up To 10, Add	*19.66*	
		For >10 To 25, Add	*6.75*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (#16 To 3/8")	67.84	
		For Up To 10, Add	*19.76*	
		For >10 To 25, Add	*6.78*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (1/4" Clean)	68.17	
		For Up To 10, Add	*19.86*	
		For >10 To 25, Add	*6.82*	
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (#8 To 3/4)	71.36	
		For Up To 10, Add	*20.81*	
		For >10 To 25, Add	*7.14*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (#16 To 3/4")	64.97	
		For Up To 10, Add	*18.90*	
		For >10 To 25, Add	*6.50*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill	49.42	
		For Up To 10, Add	*14.23*	
		For >10 To 25, Add	*4.94*	
31 05 16 00-0018	CY	Stone Aggregate Fill, Random Size, Over 6" To 12"	72.96	
		For Up To 10, Add	*21.29*	
		For >10 To 25, Add	*7.30*	
31 05 16 00-0019	CY	Graded Stone Aggregate Fill, Over 6" To 12"	82.14	
		For Up To 10, Add	*24.05*	
		For >10 To 25, Add	*8.21*	
31 05 16 00-0020	CY	Surge Stone Aggregate Fill (3" To 7" Random)	62.96	
		For Up To 10, Add	*18.29*	
		For >10 To 25, Add	*6.30*	
31 05 16 00-0021	CY	Surge Stone Graded Aggregate Fill (3" To 7")	75.14	
		For Up To 10, Add	*21.95*	
		For >10 To 25, Add	*7.51*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	59.55	
		For Up To 10, Add	*17.27*	
		For >10 To 25, Add	*5.96*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	57.46	
		For Up To 10, Add	*16.64*	
		For >10 To 25, Add	*5.75*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	50.32	
		For Up To 10, Add	*14.50*	
		For >10 To 25, Add	*5.03*	
31 05 16 00-0025	CY	Silica Sand #20 (For Playground Use Only)	163.00	
		For Up To 10, Add	*48.30*	
		For >10 To 25, Add	*16.30*	
31 05 16 00-0026	CY	Graded Aggregate Base Fill (3/4" Minus) Class II Base	46.03	
		For Up To 10, Add	*13.21*	
		For >10 To 25, Add	*4.60*	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing And Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,318.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,565.89	
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,371.11	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,609.80	
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,376.26	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,966.04	
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	245.89	
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	505.17	
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	713.59	
31 11 00 00-0011	ACR	Chipping - Light Brush	1,965.98	
31 11 00 00-0012	ACR	Chipping - Medium Brush	2,527.81	
31 11 00 00-0013	ACR	Chipping - Heavy Brush	3,539.27	

31 11 00 00-0014 Loading Of Cleared And Grubbed Material *(31 11)*
See CSI section 01 74 19 00-0049 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	8.54	
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	10.25	
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	30.93	
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	24.29	

31 13 Selective Tree And Shrub Removal And Trimming *(31 10)*

31 13 13 Selective Tree And Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	460.70	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	691.04	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	921.39	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,382.09	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,842.78	

31 13 13 00-0007 Stump Removal *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine *(31 13 13 00-0007)*

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	78.29	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	150.07	
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	195.74	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	293.61	
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	345.83	

31 13 13 00-0014 Stump Removal By Hand *(31 13 13 00-0007)*

31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	485.86	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	607.33	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	890.74	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,214.65	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,619.54	

31 13 13 00-0020 Stump Grinding *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0020)*
Note: Level soil to match existing surface area.

31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree	92.62	
		For 24" Depth, Add	*18.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree	123.49	
		For 24" Depth, Add	*24.70*	
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree	138.92	
		For 24" Depth, Add	*27.78*	
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree	154.35	
		For 24" Depth, Add	*30.87*	
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree	165.93	
		For 24" Depth, Add	*33.19*	
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree	177.51	
		For 24" Depth, Add	*35.50*	
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree	192.94	
		For 24" Depth, Add	*38.59*	
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree	210.45	
		For 24" Depth, Add	*42.09*	
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree	233.83	
		For 24" Depth, Add	*46.77*	
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree	249.42	
		For 24" Depth, Add	*49.88*	
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree	280.60	
		For 24" Depth, Add	*56.12*	
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree	311.77	
		For 24" Depth, Add	*62.35*	

31 13 16 Selective Tree And Shrub Trimming *(31 13)*

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.53	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.29	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.68	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	8.29	
		For Excavation In Light Material (Class A), Deduct	*-1.04*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.32*	
		For Up To 20, Add	*6.63*	
		For >20 To 50, Add	*4.15*	
		For >50 To 250, Add	*2.07*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-2.49*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	5.32	
		For Excavation In Light Material (Class A), Deduct	*-0.67*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.13*	
		For Up To 20, Add	*4.26*	
		For >20 To 50, Add	*2.66*	
		For >50 To 250, Add	*1.33*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.60*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	13.73	
		For Up To 20, Add	*10.98*	
		For >20 To 50, Add	*6.87*	
		For >50 To 250, Add	*3.43*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-4.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	9.45	
		For Up To 20, Add	*7.56*	
		For >20 To 50, Add	*4.73*	
		For >50 To 250, Add	*2.36*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-2.84*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	102.05	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	175.05	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	2.96	
		For Up To 20, Add	*2.37*	
		For >20 To 50, Add	*1.48*	
		For >50 To 250, Add	*0.74*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.89*	
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	28.35	

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	5.91	
		For Up To 20, Add	*4.73*	
		For >20 To 50, Add	*2.96*	
		For >50 To 250, Add	*1.48*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.77*	
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	31.97	

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	5.15	
		For Up To 20, Add	*4.12*	
		For >20 To 50, Add	*2.58*	
		For >50 To 250, Add	*1.29*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.55*	
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	74.83	

31 23 16 13-0018 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	2.43	
		For Up To 20, Add	*1.94*	
		For >20 To 50, Add	*1.22*	
		For >50 To 250, Add	*0.61*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.73*	

31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	1.80	
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	1.97	
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	2.81	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep	3.17	

31 23 16 13-0025 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0026 Utility Trench, Chain Trencher *(31 23 16 13-0025)*

Note: Earth left adjacent to trench.

31 23 16 13-0027	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.01	
31 23 16 13-0028	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.10	
31 23 16 13-0029	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.15	
31 23 16 13-0030	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.21	
31 23 16 13-0031	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.32	
31 23 16 13-0032	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.51	
31 23 16 13-0033	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.81	
31 23 16 13-0034	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.71	
31 23 16 13-0035	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.01	
31 23 16 13-0036	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.29	
31 23 16 13-0037	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13-0038 Backfill Trenches With Compaction *(31 23 16 13-0025)*

31 23 16 13-0039	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.16
31 23 16 13-0040	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.24
31 23 16 13-0041	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.32
31 23 16 13-0042	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.24
31 23 16 13-0043	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.32
31 23 16 13-0044	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.49
31 23 16 13-0045	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.70
31 23 16 13-0046	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.32
31 23 16 13-0047	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.49
31 23 16 13-0048	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.65
31 23 16 13-0049	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	0.98

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	19.76
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	21.07
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	25.02

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	7.60
		For Excavation In Light Material (Class A), Deduct	*-0.95*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.04*
		For >1,000, Deduct	*-1.14*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.29
		For Excavation In Light Material (Class A), Deduct	*-0.54*
		For Excavation In Heavy/Wet Material (Class C), Add	*1.72*
		For >1,000, Deduct	*-0.64*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	9.35
		For >1,000, Deduct	*-1.40*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.28
		For >1,000, Deduct	*-0.79*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.69
		For >1,000, Deduct	*-0.70*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	5.21
		For >1,000, Deduct	*-0.78*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	4.17
		For >1,000, Deduct	*-0.63*
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	6.25
		For >1,000, Deduct	*-0.94*
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	9.38
		For >1,000, Deduct	*-1.41*
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	12.51
		For >1,000, Deduct	*-1.88*

31 23 16 33-0015 Finish Grading *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.52

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.53

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	4.24	
		For >1,000, Deduct	*-0.64*	

31 23 16 36 Excavation For Building Foundations And Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	6.98	
		For Excavation In Light Material (Class A), Deduct	*-0.87*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.79*	
		For Up To 20, Add	*6.98*	
		For >20 To 50, Add	*5.24*	
		For >50 To 250, Add	*2.79*	
		For >250 To 500, Add	*1.05*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	8.57	
		For Up To 20, Add	*8.57*	
		For >20 To 50, Add	*6.43*	
		For >50 To 250, Add	*3.43*	
		For >250 To 500, Add	*1.29*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.15	
		For Excavation In Light Material (Class A), Deduct	*-0.64*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.06*	
		For Up To 20, Add	*5.15*	
		For >20 To 50, Add	*3.86*	
		For >50 To 250, Add	*2.06*	
		For >250 To 500, Add	*0.77*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	6.14	
		For Up To 20, Add	*6.14*	
		For >20 To 50, Add	*4.61*	
		For >50 To 250, Add	*2.46*	
		For >250 To 500, Add	*0.92*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	102.05	
		For Excavation In Light Material (Class A), Deduct	*-12.76*	
		For Excavation In Heavy/Wet Material (Class C), Add	*40.82*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock	175.05	

31 23 16 36-0011 Relocating On Site Excavated Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures over 100'.

31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	4.17	
		For Up To 20, Add	*4.17*	
		For >20 To 50, Add	*3.13*	
		For >50 To 250, Add	*1.67*	
		For >250 To 500, Add	*0.63*	
31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	6.25	
		For Up To 20, Add	*6.25*	
		For >20 To 50, Add	*4.69*	
		For >50 To 250, Add	*2.50*	
		For >250 To 500, Add	*0.94*	
31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	9.38	
		For Up To 20, Add	*9.38*	
		For >20 To 50, Add	*7.04*	
		For >50 To 250, Add	*3.75*	
		For >250 To 500, Add	*1.41*	
31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	12.51	
		For Up To 20, Add	*12.51*	
		For >20 To 50, Add	*9.38*	
		For >50 To 250, Add	*5.00*	
		For >250 To 500, Add	*1.88*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	3.40	
		For Up To 20, Add	*3.40*	
		For >20 To 50, Add	*2.55*	
		For >50 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.51*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.99	
		For Up To 20, Add	*3.99*	
		For >20 To 50, Add	*2.99*	
		For >50 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.60*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	48.59	
31 23 16 36-0020		Compaction Of Fill Or Subbase *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.35	
		For Up To 20, Add	*9.35*	
		For >20 To 50, Add	*7.01*	
		For >50 To 250, Add	*3.74*	
		For >250 To 500, Add	*1.40*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	31.98	
31 23 16 36-0023		Grading *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	0.90	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	1.45	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	9.45	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.42	
		For Up To 20, Add	*4.42*	
		For >20 To 50, Add	*3.32*	
		For >50 To 250, Add	*1.77*	
		For >250 To 500, Add	*0.66*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	74.83	
31 23 16 36-0030		Spread Material *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine	2.43	
		For Up To 20, Add	*2.43*	
		For >20 To 50, Add	*1.82*	
		For >50 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.36*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand	41.30	
31 23 16 43		**Mass Excavation** *(31 23 16)*		
31 23 16 43-0001		Mass Excavation By Dozer *(31 23 16 43)*		
		Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002		Dozing Distance Averages 150 Feet Push *(31 23 16 43-0001)*		
31 23 16 43-0003		Dozer With Blade, 65 HP, (D-3B) *(31 23 16 43-0002)*		
31 23 16 43-0004	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.58	
31 23 16 43-0005	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.69	
31 23 16 43-0006	BCY	Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	8.37	
31 23 16 43-0007		Dozer With Blade, 90 HP, (D-4H) *(31 23 16 43-0002)*		
31 23 16 43-0008	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour	2.74	
31 23 16 43-0009	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.65	
31 23 16 43-0010	BCY	Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.69	
31 23 16 43-0011		Dozer With Blade, 120 HP, (D-5H) *(31 23 16 43-0002)*		
31 23 16 43-0012	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	2.02	
31 23 16 43-0013	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.44	
31 23 16 43-0014	BCY	Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.43	
31 23 16 43-0015		Dozer With Blade, 140 HP, (D-6D) *(31 23 16 43-0002)*		
31 23 16 43-0016	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour	1.72	
31 23 16 43-0017	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.20	
31 23 16 43-0018	BCY	Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0019		**Dozer With U-Blade, 200 HP, (D-7G)** *(31 23 16 43-0002)*		
31 23 16 43-0020	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.14	
31 23 16 43-0021	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.41	
31 23 16 43-0022	BCY	Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.83	
31 23 16 43-0023	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.34	
31 23 16 43-0024		**Dozer With U-Blade, 335 HP, (D-8L)** *(31 23 16 43-0002)*		
31 23 16 43-0025	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.94	
31 23 16 43-0026	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.16	
31 23 16 43-0027	BCY	Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.51	
31 23 16 43-0028	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.87	
31 23 16 43-0029		**Dozer With U-Blade, 460 HP, (D-9L)** *(31 23 16 43-0002)*		
31 23 16 43-0030	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.69	
31 23 16 43-0031	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.87	
31 23 16 43-0032	BCY	Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	1.13	
31 23 16 43-0033	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.41	
31 23 16 43-0034		**Dozer With U-Blade, 700 HP, (D-10)** *(31 23 16 43-0002)*		
31 23 16 43-0035	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.58	
31 23 16 43-0036	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.71	
31 23 16 43-0037	BCY	Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.93	
31 23 16 43-0038	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.16	
31 23 16 43-0039		**Dozing Distance Averages 300 Feet Push** *(31 23 16 43-0001)*		
31 23 16 43-0040		**Dozer With Blade, 65 HP, (D-3B)** *(31 23 16 43-0039)*		
31 23 16 43-0041	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	13.40	
31 23 16 43-0042	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	16.74	
31 23 16 43-0043		**Dozer With Blade, 90 HP, (D-4H)** *(31 23 16 43-0039)*		
31 23 16 43-0044	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	8.21	
31 23 16 43-0045	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	9.38	
31 23 16 43-0046	BCY	Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	10.95	
31 23 16 43-0047		**Dozer With Blade, 120 HP, (D-5H)** *(31 23 16 43-0039)*		
31 23 16 43-0048	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	4.89	
31 23 16 43-0049	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	5.70	
31 23 16 43-0050	BCY	Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	6.84	
31 23 16 43-0051		**Dozer With Blade, 140 HP, (D-6D)** *(31 23 16 43-0039)*		
31 23 16 43-0052	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.61	
31 23 16 43-0053	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	4.42	
31 23 16 43-0054	BCY	Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	5.67	
31 23 16 43-0055		**Dozer With U-Blade, 200 HP, (D-7G)** *(31 23 16 43-0039)*		
31 23 16 43-0056	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.49	
31 23 16 43-0057	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	3.25	
31 23 16 43-0058	BCY	Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	4.23	
31 23 16 43-0059	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	5.28	
31 23 16 43-0060		**Dozer With U-Blade, 335 HP, (D-8L)** *(31 23 16 43-0039)*		
31 23 16 43-0061	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.87	
31 23 16 43-0062	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.35	
31 23 16 43-0063	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	3.01	
31 23 16 43-0064	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.86	
31 23 16 43-0065		**Dozer With U-Blade, 460 HP, (D-9L)** *(31 23 16 43-0039)*		
31 23 16 43-0066	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.33	
31 23 16 43-0067	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.63	
31 23 16 43-0068	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.17	
31 23 16 43-0069	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.74	
31 23 16 43-0070		**Dozer With U-Blade, 700 HP, (D-10)** *(31 23 16 43-0039)*		
31 23 16 43-0071	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.04	
31 23 16 43-0072	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push	1.29	
31 23 16 43-0073	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push	1.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0074	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.10	
31 23 16 43-0075		Dozing Distance Averages 450 Feet Push *(31 23 16 43-0001)*		
31 23 16 43-0076		Dozer With U-Blade, 215 HP, (D-7G) *(31 23 16 43-0075)*		
31 23 16 43-0077	BCY	Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.82	
31 23 16 43-0078	BCY	Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.52	
31 23 16 43-0079	BCY	Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.69	
31 23 16 43-0080	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	6.03	
31 23 16 43-0081		Dozer With U-Blade, 335 HP, (D-8L) *(31 23 16 43-0075)*		
31 23 16 43-0082	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.58	
31 23 16 43-0083	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.18	
31 23 16 43-0084	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.16	
31 23 16 43-0085	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.41	
31 23 16 43-0086		Dozer With U-Blade, 460 HP, (D-9L) *(31 23 16 43-0075)*		
31 23 16 43-0087	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.80	
31 23 16 43-0088	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.27	
31 23 16 43-0089	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.90	
31 23 16 43-0090	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.72	
31 23 16 43-0091		Dozer With U-Blade, 700 HP, (D-10) *(31 23 16 43-0075)*		
31 23 16 43-0092	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.54	
31 23 16 43-0093	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.89	
31 23 16 43-0094	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.47	
31 23 16 43-0095	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.15	
31 23 16 43-0096		Excavation By Push Loaded Scraper *(31 23 16 43)* Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097		Self Propelled Scraper Capacity 9 BCY *(31 23 16 43-0096)*		
31 23 16 43-0098	BCY	Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.26	
31 23 16 43-0099		Self Propelled Scraper Capacity 16 BCY *(31 23 16 43-0096)*		
31 23 16 43-0100	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.24	
31 23 16 43-0101	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.37	
31 23 16 43-0102	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	5.05	
31 23 16 43-0103		Self Propelled Scraper Capacity 25 BCY *(31 23 16 43-0096)*		
31 23 16 43-0104	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.44	
31 23 16 43-0105	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.17	
31 23 16 43-0106	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.56	
31 23 16 43-0107		Self Propelled Scraper Capacity 35 BCY *(31 23 16 43-0096)*		
31 23 16 43-0108	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.09	
31 23 16 43-0109	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.64	
31 23 16 43-0110	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.20	
31 23 16 43-0111		Mass Excavation By Bucket Drag-Line *(31 23 16 43)*		
31 23 16 43-0112	CY	Excavate Sand/Gravel, By Bucket Drag Line	6.49	
31 23 16 43-0113	CY	Excavate, Soil, By Bucket Drag Line	11.01	
31 23 16 49		**Vacuum Excavation** *(31 23 16)*		
31 23 16 49-0001		Vacuum Excavation (Potholing) *(31 23 16 49)* Note: Includes grade down measurement, backfill and surface restoration.		
31 23 16 49-0002	EA	Initial Set Up And Final Equipment Removal For Vacuum Excavation	337.36	
31 23 16 49-0003	EA	Vacuum Excavation Note: For first hole.	316.27	
		For Each Additional Hole At Site, Add	*158.03*	
31 23 16 49-0004	EA	Vacuum Excavation Minimum Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,889.21	
31 23 19		**Dewatering** *(31 23)*		
31 23 19 00-0001		Well Point Dewatering System *(31 23 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0002		**Delivery, Installation And Removal Cost** *(31 23 19 00-0001)* Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	100.51	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	55.28	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	50.25	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	45.23	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	40.20	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	35.17	
31 23 19 00-0009		**Well Point Dewatering System Rental** *(31 23 19 00-0001)* Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.10	
		For >5 Days And <1 Month, Deduct	*-0.24*	
		For >1 Month, Deduct	*-0.31*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.46	
		For >5 Days And <1 Month, Deduct	*-0.10*	
		For >1 Month, Deduct	*-0.13*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.34	
		For >5 Days And <1 Month, Deduct	*-0.07*	
		For >1 Month, Deduct	*-0.10*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.31	
		For >5 Days And <1 Month, Deduct	*-0.07*	
		For >1 Month, Deduct	*-0.09*	
31 23 19 00-0015		**Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)* Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs	92.88	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001		**Compaction Water, Water Truck And Operator** *(31 23 23 23)*		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1136 for water truck when water is available on site.	149.62	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001		**Flowable Cement Backfill For Trenches** *(31 23 23 33)* Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY	Flowable Cement Backfill for Trenches	80.41	
		For Up To 20, Add	*35.58*	
		For >20 To 50, Add	*22.96*	
		For >50 To 250, Add	*11.48*	
		For >500 To 1,000, Deduct	*-6.31*	
		For >1,000, Deduct	*-12.62*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001		**Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)* Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002		**Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003		**Cutting, Shaping, And Rough Grading By Machine** *(31 24 13 00-0002)*		
31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	5.21	
		For Up To 20, Add	*5.21*	
		For >20 To 50, Add	*3.91*	
		For >50 To 250, Add	*2.08*	
		For >250 To 500, Add	*0.78*	
		For >1,000, Deduct	*-0.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	6.47	
		For Up To 20, Add	*6.47*	
		For >20 To 50, Add	*4.85*	
		For >50 To 250, Add	*2.59*	
		For >250 To 500, Add	*0.97*	
		For >1,000, Deduct	*-0.97*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	5.24	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	6.80	

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	4.82	
		For Up To 20, Add	*2.41*	
		For >20 To 50, Add	*1.21*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.96*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	9.38	
		For Up To 20, Add	*9.38*	
		For >20 To 50, Add	*7.04*	
		For >50 To 250, Add	*3.75*	
		For >250 To 500, Add	*1.41*	
		For >1,000, Deduct	*-1.41*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	12.51	
		For Up To 20, Add	*12.51*	
		For >20 To 50, Add	*9.38*	
		For >50 To 250, Add	*5.00*	
		For >250 To 500, Add	*1.88*	
		For >1,000, Deduct	*-1.88*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments	5.74	
		For Up To 20, Add	*5.74*	
		For >20 To 50, Add	*4.31*	
		For >50 To 250, Add	*2.30*	
		For >250 To 500, Add	*0.86*	
		For >1,000, Deduct	*-0.86*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.59	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.78	
31 24 13 00-0019	LF	Finish Grade For Curb	0.88	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.07	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.53	
		For Up To 250, Add	*0.53*	
		For >250 To 500, Add	*0.40*	
		For >500 To 1,000, Add	*0.21*	
		For >5,000, Deduct	*-0.08*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.24	
		For Up To 20, Add	*4.24*	
		For >20 To 50, Add	*3.18*	
		For >50 To 250, Add	*1.70*	
		For >250 To 500, Add	*0.64*	
		For >1,000, Deduct	*-0.64*	

31 25 Erosion And Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures For Erosion And Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 13-0001		**Bonded Fiber Matrix** *(31 25 14 13)*		
31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	39.52	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	35.79	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	32.63	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	30.82	
31 25 14 16		**Rolled Erosion Control Mats And Blankets** *(31 25 14)*		
		Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
31 25 14 16-0001		**Erosion Control Blankets And Turf Reinforcement Mats** *(31 25 14 16)*		
31 25 14 16-0002		**Erosion Control Blankets, Short Term, Light Duty** *(31 25 14 16-0001)*		
31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket	1.35	
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket	1.59	
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket	1.31	
		Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket	1.35	
		Note: As manufactured by American Green.		
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	1.25	
31 25 14 16-0008		**Erosion Control Blankets, Intermediate Duration** *(31 25 14 16-0001)*		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket	1.70	
		Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket	2.08	
		Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural	1.52	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green	1.56	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket	1.63	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0014		**Turf Reinforcement Mats (TRM)** *(31 25 14 16-0001)*		
		Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat	8.44	
		Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat	7.84	
		Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat	6.41	
		Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018		**Jute Mesh Erosion Control Blankets** *(31 25 14 16-0001)*		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	1.45	
31 25 14 16-0020		**Revegetation Mat** *(31 25 14 16-0001)*		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	6.02	
		Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber	8.54	
		Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 16-0023		**Erosion Control Rolls** *(31 25 14 16-0001)*		
31 25 14 16-0024	SY	Erosion Control Rolls, Mirafi 140N	1.49	
31 25 14 16-0025	SY	Erosion Control Rolls, Amoco 4547	1.51	
31 25 14 23		**Stabilization Measures For Erosion Control** *(31 25 14)*		
		See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.		
31 25 14 23-0001		**Sand And Gravel Bags** *(31 25 14 23)*		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 LB Capacity Nylon Or Poly Sand Bag With Sand	5.64	2.15
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.99*	
31 25 14 23-0003	BAG	50 LB Capacity Biodegradable Burlap Sand Bag With Sand	5.91	
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-1.02*	
31 25 14 23-0004	BAG	33 LB Capacity Nylon Or Poly Bag With 5/16" To 3/4" Gravel	4.37	1.42
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0005		**Turbidity Curtain** *(31 25 14 23)* Note: Type 2 curtain.		
31 25 14 23-0006	LF	3' High Turbidity Curtain	16.73	
31 25 14 23-0007	LF	4' High Turbidity Curtain	18.09	
31 25 14 23-0008	LF	5' High Turbidity Curtain	19.93	
31 25 14 23-0009	LF	6' High Turbidity Curtain	21.52	
31 25 14 23-0010	LF	7' High Turbidity Curtain	22.59	
31 25 14 23-0011	LF	8' High Turbidity Curtain	23.65	
31 25 14 23-0012	LF	9' High Turbidity Curtain	24.90	
31 25 14 23-0013	LF	10' High Turbidity Curtain	26.55	
31 25 14 23-0014	LF	12' High Turbidity Curtain	27.90	
31 25 14 23-0015	LF	13' High Turbidity Curtain	29.68	
31 25 14 23-0016	LF	14' High Turbidity Curtain	31.36	
31 25 14 23-0017	LF	15' High Turbidity Curtain	32.97	
31 25 14 23-0018	LF	16' High Turbidity Curtain	35.78	
31 25 14 23-0019	LF	17' High Turbidity Curtain	37.53	
31 25 14 23-0020	LF	18' High Turbidity Curtain	39.24	
31 25 14 23-0021	LF	19' High Turbidity Curtain	41.04	
31 25 14 23-0022	LF	20' High Turbidity Curtain	42.80	
31 25 14 23-0023		**Filter Bags** *(31 25 14 23)*		
31 25 14 23-0024		**Non-Woven Filter Bags** *(31 25 14 23-0023)*		
31 25 14 23-0025	EA	6' x 15' Non-Woven Filter Bag	133.52	
31 25 14 23-0026	EA	13' x 15' Non-Woven Filter Bag	192.59	
31 25 14 23-0027	EA	15' x 15' Non-Woven Filter Bag	222.14	
31 25 14 23-0028		**Monofilament Filter Bags** *(31 25 14 23-0023)*		
31 25 14 23-0029	EA	5' x 15' Monofilament Filter Bag	138.60	
31 25 14 23-0030	EA	10' x 15' Monofilament Filter Bag	191.17	
31 25 14 23-0031		**Cable Articulating Concrete Block** *(31 25 14 23)* Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0032	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	26.83	
		For Up To 500, Add	*6.23*	
		For >500 To 1,000, Add	*3.55*	
31 25 14 23-0033	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	30.31	
		For Up To 500, Add	*7.01*	
		For >500 To 1,000, Add	*3.98*	
31 25 14 23-0034	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	34.32	
		For Up To 500, Add	*7.91*	
		For >500 To 1,000, Add	*4.47*	
31 25 14 23-0035	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	38.55	
		For Up To 500, Add	*8.87*	
		For >500 To 1,000, Add	*5.01*	
31 25 14 23-0036	SF	4.75" Closed Cell Articulated Concrete Block	28.26	
		For Up To 500, Add	*6.52*	
		For >500 To 1,000, Add	*3.69*	
31 25 14 23-0037	SF	6" Closed Cell Articulated Concrete Block	32.02	
		For Up To 500, Add	*7.35*	
		For >500 To 1,000, Add	*4.15*	
31 25 14 23-0038	SF	7.5" Closed Cell Articulated Concrete Block	36.35	
		For Up To 500, Add	*8.31*	
		For >500 To 1,000, Add	*4.68*	
31 25 14 23-0039	SF	9" Closed Cell Articulated Concrete Block	40.87	
		For Up To 500, Add	*9.33*	
		For >500 To 1,000, Add	*5.24*	
31 25 14 26		**Stabilization Measures For Sedimentation Control** *(31 25 14)*		
31 25 14 26-0001		**Silt Fences And Dike Barriers** *(31 25 14 26)* Note: Includes stakes and embedding.		
31 25 14 26-0002		**Silt Fences 2' High** *(31 25 14 26-0001)*		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	2.20	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	1.69	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	1.20	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	1.02	
31 25 14 26-0007		**Silt Fences 3' High** *(31 25 14 26-0001)*		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	2.10	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	1.74	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	1.13	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	1.06	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0012		Silt Dike Barrier *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	2.38	
31 25 14 26-0014		Silt Fences Removal *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.68	
31 25 14 26-0016		Hay And Straw Bales *(31 25 14 26)*		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterlized Straw Bales	3.89	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF	Place Hay Bales	3.59	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0019	EA	Place And Remove Hay Bales, Includes Securing In Ground With Stakes	10.79	
31 25 14 26-0020	LF	Removal Of Hay Or Straw Bales	1.21	
		Note: Includes removal of stakes.		
31 25 14 26-0021		Sediment Logs (Degradable) *(31 25 14 26)*		
31 25 14 26-0022		Sediment Logs (Degradable) *(31 25 14 26-0021)*		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0023	LF	12" Sediment Log	6.59	
31 25 14 26-0024	LF	20" Sediment Log	7.68	
31 25 14 26-0025		Wattles (Degradable) *(31 25 14 26-0021)*		
		Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	121.31	
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	113.88	
31 25 14 26-0028		Inlet Protection Sediment Bags *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0029	EA	2' x 2' x 3' Inlet Protection Sediment Bag	41.61	
31 25 14 26-0030	EA	2' x 3' x 3' Inlet Protection Sediment Bag	51.41	
31 25 14 26-0031	EA	2' x 4' x 3' Inlet Protection Sediment Bag	62.64	
31 25 14 26-0032		Clean Sediment Logs/Wattles *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0033	EA	Clean Sediment Logs/Wattles	68.04	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001		Commercial Use *(31 31 16 13)*		
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.69	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	0.69	
31 31 16 13-0004		Residential Use *(31 31 16 13)*		
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.68	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	0.93	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001		Soil Sterilants *(31 31 19 13)*		
31 31 19 13-0002	MSF	Soil Sterilant	19.15	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	*-0.36*	
		For >90 To 225, Deduct	*-1.68*	
		For >225, Deduct	*-2.41*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Soil Cement Course *(31 32 13 16)*

Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.

31 32 13 16-0002	CY	Compacted Soil Cement Course, Material mixed in Central Plant	49.30
31 32 13 16-0003	CY	Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement	51.62
31 32 13 16-0004	LB	Cement, Per Unit Of Measure	0.04
31 32 13 16-0005	LB	Flake Calcium Chloride, Per Unit Of Measure	0.31
31 32 13 16-0006	EA	Mobilize And Demobilize Traveling Pugmill	150.00

31 32 13 16-0007 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0008	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	26.20
31 32 13 16-0009	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	29.34
31 32 13 16-0010	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	34.52
31 32 13 16-0011	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	39.62

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	25.69
31 32 13 19-0003	TON	Cement Stabilized Base Material	88.19
31 32 13 19-0004	CWT	Lime For Soil Stabilization	14.18
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	12.72
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	3.00

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	8.85
		For 4% Lime Instead Of 5%, Deduct	*-0.25*
		For 6% Lime Instead Of 5%, Add	*0.25*
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	10.26
		For 4% Lime Instead Of 5%, Deduct	*-0.29*
		For 6% Lime Instead Of 5%, Add	*0.29*
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	11.72
		For 4% Lime Instead Of 5%, Deduct	*-0.33*
		For 6% Lime Instead Of 5%, Add	*0.33*
31 32 13 19-0011	SY	10" Thick Lime Stabilized Subgrade, 41 LB/SY	14.64
		For 4% Lime Instead Of 5%, Deduct	*-0.41*
		For 6% Lime Instead Of 5%, Add	*0.41*
		For >5,000 SY, Deduct	*-0.97*
31 32 13 19-0012	SY	12" Thick Lime Stabilized Subgrade, 50 LB/SY	17.57
		For 4% Lime Instead Of 5%, Deduct	*-0.50*
		For 6% Lime Instead Of 5%, Add	*0.50*
		For >5,000 SY, Deduct	*-1.16*
31 32 13 19-0013	SY	14" Thick Lime Stabilized Subgrade, 58 LB/SY	20.46
		For 4% Lime Instead Of 5%, Deduct	*-0.58*
		For 6% Lime Instead Of 5%, Add	*0.58*
		For >5,000 SY, Deduct	*-1.35*
31 32 13 19-0014	SY	16" Thick Lime Stabilized Subgrade, 66 LB/SY	23.42
		For 4% Lime Instead Of 5%, Deduct	*-0.66*
		For 6% Lime Instead Of 5%, Add	*0.66*
		For >5,000 SY, Deduct	*-1.55*
31 32 13 19-0015	SY	18" Thick Lime Stabilized Subgrade, 74 LB/SY	26.35
		For 4% Lime Instead Of 5%, Deduct	*-0.74*
		For 6% Lime Instead Of 5%, Add	*0.74*
		For >5,000 SY, Deduct	*-1.74*

31 32 13 19-0016 Hydrated Lime Stabilized Subgrade *(31 32 13 19)*

Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.

31 32 13 19-0017	CY	Compacted Hydrated Lime Stabilized Subgrade	53.10
31 32 13 19-0018	LB	Hydrated Lime	1.17

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	1.59

31 32 19 Geosynthetic Soil Stabilization And Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0001		Geogrid Fabrics *(31 32 19 13)*		
		Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.27	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	2.59	
		For Up To 50, Add	*0.61*	
		For >50 To 150, Add	*0.45*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	2.81	
		For Up To 50, Add	*0.66*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	3.99	
		For Up To 50, Add	*0.89*	
		For >50 To 150, Add	*0.66*	
		For >150 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.22*	
31 32 19 13-0006	SY	14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	4.56	
		For Up To 50, Add	*1.01*	
		For >50 To 150, Add	*0.75*	
		For >150 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.25*	
31 32 19 13-0007	SY	4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.31	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 13-0008	SY	5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.35	
		For Up To 50, Add	*0.76*	
		For >50 To 150, Add	*0.56*	
		For >150 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.18*	
31 32 19 16		**Geotextile Soil Stabilization** *(31 32 19)*		
31 32 19 16-0001		Nonwoven Polypropylene Geotextiles *(31 32 19 16)*		
		Note: For drainage, filtration and separation.		
31 32 19 16-0002	SY	3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	0.72	
		For Up To 50, Add	*0.18*	
		For >50 To 150, Add	*0.13*	
		For >150 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
31 32 19 16-0003	SY	3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	0.77	
		For Up To 50, Add	*0.19*	
		For >50 To 150, Add	*0.14*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
31 32 19 16-0004	SY	4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	0.83	
		For Up To 50, Add	*0.20*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0005	SY	4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	0.88	
		For Up To 50, Add	*0.21*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0006	SY	6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	1.04	
		For Up To 50, Add	*0.24*	
		For >50 To 150, Add	*0.18*	
		For >150 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0007	SY	7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	1.22	
		For Up To 50, Add	*0.29*	
		For >50 To 150, Add	*0.21*	
		For >150 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0008	SY	8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	1.34	
		For Up To 50, Add	*0.31*	
		For >50 To 150, Add	*0.23*	
		For >150 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0009	SY	10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	1.64	
		For Up To 50, Add	*0.37*	
		For >50 To 150, Add	*0.27*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0010	SY	16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric	3.55	
		For Up To 50, Add	*0.75*	
		For >50 To 150, Add	*0.56*	
		For >150 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.18*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

31 32 19 16-0012	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	1.02	
		For Up To 50, Add	*0.24*	
		For >50 To 150, Add	*0.18*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0013	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.41	
		For Up To 50, Add	*0.32*	
		For >50 To 150, Add	*0.23*	
		For >150 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.08*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.46	
		For Up To 50, Add	*0.53*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.40	
		For Up To 50, Add	*0.52*	
		For >50 To 150, Add	*0.39*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.11	
		For Up To 50, Add	*0.46*	
		For >50 To 150, Add	*0.34*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.25	
		For Up To 50, Add	*0.49*	
		For >50 To 150, Add	*0.37*	
		For >150 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.86	
		For Up To 50, Add	*0.61*	
		For >50 To 150, Add	*0.46*	
		For >150 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.15*	
31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.05	
		For Up To 50, Add	*0.85*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.81
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.93
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.11
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.33
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.51
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.66
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.79
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.97
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.15

31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.70
31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.90
31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.03
31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.62
31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.28
31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.56
31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	1.83
31 32 19 16-0039	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	3.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0040	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	3.32	

31 32 19 16-0041 Rock Slope Protection Fabric (Monterey County) *(31 32 19 16)*

31 32 19 16-0042	SY	Rock Slope Protection Fabric, Drainage Outlet (Monterey County)	5.30	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	4.36	
		For >20,000, Deduct	*-0.08*	
		For >2:1 Slope, Add	*0.93*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	5.06	
		For >20,000, Deduct	*-0.11*	
		For >2:1 Slope, Add	*0.93*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	5.89	
		For >20,000, Deduct	*-0.15*	
		For >2:1 Slope, Add	*0.93*	

31 32 36 Soil Nailing *(31 32)*

31 32 36 00-0001 Landslide and Slip-Out Stabilization *(31 32 36)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 00-0002 Launched Soil Nails™ *(31 32 36 00-0001)*

Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0003	EA	Fiberglass SuperNail® Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	780.00	
31 32 36 00-0004	EA	GalvaDized™ SuperNail® Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	620.00	
31 32 36 00-0005	EA	Temporary Launched Soil Nail Note: bare steel tube up to 20 ft. length.	520.00	
31 32 36 00-0006	EA	Fiberglass SuperDrain™ Note: perforated fiberglass tube up to 20 ft. length.	585.00	
31 32 36 00-0007	EA	GalvaDized™ SuperDrain™ Note: perforated GalvaDized™ steel tube up to 20 ft. length.	550.00	

31 32 36 00-0008 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 00-0001)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0009	EA	Drilled GalvaDized™ SuperNail® up to 20 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	650.00	
31 32 36 00-0010	EA	Drilled GalvaDized™ SuperNail® up to 30 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	975.00	
31 32 36 00-0011	EA	Drilled GalvaDized™ SuperNail® up to 40 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,235.00	
31 32 36 00-0012	EA	Drilled GalvaDized™ SuperNail® up to 50 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,495.00	
31 32 36 00-0013	EA	Drilled GalvaDized™ SuperNail® up to 60 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,755.00	
31 32 36 00-0014	EA	Drilled GalvaDized™ SuperNail® up to 70 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	2,015.00	
31 32 36 00-0015	EA	Drilled GalvaDized™ SuperNail® up to 80 ft. length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	2,275.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 00-0016 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 00-0001)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering "B7X" or Ischebeck "Titan" bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0017 Self-Drilling SuperNails® *(31 32 36 00-0016)*

31 32 36 00-0018	EA	Self Drilling SuperNails® up to 20-ft	910.00
31 32 36 00-0019	EA	Self Drilling SuperNails® up to 30-ft	1,300.00
31 32 36 00-0020	EA	Self Drilling SuperNails® up to 40-ft	1,820.00
31 32 36 00-0021	EA	Self Drilling SuperNails® up to 50-ft	2,340.00
31 32 36 00-0022	EA	Self Drilling SuperNails® up to 60-ft	2,860.00
31 32 36 00-0023	EA	Self Drilling SuperNails® up to 70-ft	3,380.00
31 32 36 00-0024	EA	Self Drilling SuperNails® up to 80-ft	3,900.00

31 32 36 00-0025 Self-Drilling SuperMicropiles™ *(31 32 36 00-0016)*

31 32 36 00-0026	EA	Self Drilling SuperNails® SuperMicropiles™ up to 20-ft	910.00
31 32 36 00-0027	EA	Self Drilling SuperNails® SuperMicropiles™ up to 30-ft	1,300.00
31 32 36 00-0028	EA	Self Drilling SuperNails® SuperMicropiles™ up to 40-ft	1,820.00
31 32 36 00-0029	EA	Self Drilling SuperNails® SuperMicropiles™ up to 50-ft	2,340.00
31 32 36 00-0030	LF	Micropile Cap – 12" thick shotcrete	130.00

31 32 36 00-0031 Drilled / Launched SuperMicropiles™ *(31 32 36 00-0001)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0032	EA	SuperMicropiles™ up to 20 ft. length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	695.00
31 32 36 00-0033	EA	SuperMicropiles™ up to 30 ft. length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,020.00
31 32 36 00-0034	EA	SuperMicropiles™ up to 40 ft. length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,280.00
31 32 36 00-0035	EA	SuperMicropiles™ up to 50 ft. length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,540.00

31 32 36 00-0036 Shotcrete or Gunite *(31 32 36 00-0001)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 00-0037 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 00-0036)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight ½" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use

31 32 36 00-0038 SFI Dry-Mix Reinforced Gunite.....13.00
Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 00-0039 Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 00-0036)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight ½" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying with A

31 32 36 00-0040	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	6.50

31 32 36 00-0041 Shotcrete or Gunite for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 00-0036)*

31 32 36 00-0042	LF	Shotcrete shoulder build-out	260.00
31 32 36 00-0043	SF	Acid Stained Shotcrete (gun finished) shotcrete	3.25
31 32 36 00-0044	SF	Sculpt and stain shotcrete	22.50

31 32 36 00-0045 Steel Mesh, Turf Reinforcement Matting and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 00-0001)*

31 32 36 00-0046 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 00-0045)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0047	SF	High Capacity Diamond Mesh Note: sold per square face foot	19.50
31 32 36 00-0048	SF	Double Twist Wire Mesh Note: sold per square face foot	10.00

31 32 36 00-0049 Permanent Turf Reinforcing Mat (TRM) *(31 32 36 00-0045)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 00-0050	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.30

31 32 36 00-0051 Biodegradable Turf Reinforcing Mat (TRM) *(31 32 36 00-0045)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0052	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.35	
31 32 36 00-0053		**Steel Plates** *(31 32 36 00-0045)*		
31 32 36 00-0054	EA	Galvanized Steel Plates	35.00	
31 32 36 00-0055		**BioWall®** *(31 32 36 00-0001)* Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0056	SF	BioWall®	50.00	
31 32 36 00-0057		**GeoSynthetically Confined Soil™ (GCS®) Components** *(31 32 36 00-0001)* Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 –"Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing") noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of t		
31 32 36 00-0058	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Note: Installation sold per square face foot (excludes materials)	32.50	
31 32 36 00-0059	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8'' x 8'' x 16'')	4.60	
31 32 36 00-0060	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10'' x 120'')	100.00	
31 32 36 00-0061	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.65	
31 32 36 00-0062		**Launched SuperDrain™ (Horizontal Drains)** *(31 32 36 00-0001)* Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0063	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 20 ft. length	650.00	
31 32 36 00-0064	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 30 ft. length	975.00	
31 32 36 00-0065	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 40 ft. length	1,300.00	
31 32 36 00-0066	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 50 ft. length	2,275.00	
31 32 36 00-0067	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 60 ft. length	2,730.00	
31 32 36 00-0068	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 70 ft. length	3,185.00	
31 32 36 00-0069	EA	Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 80 ft. length	3,640.00	
31 32 36 00-0070		**Mobilization / Demobilization** *(31 32 36 00-0001)*		
31 32 36 00-0071	EA	Mobilization (Out of State)	15,600.00	
31 32 36 00-0072	EA	Mobilization (In State)	7,800.00	
31 32 36 00-0073	DAY	Limited or Remote Access Surcharge	7,700.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 00-0074 Grouting *(31 32 36 00-0001)*

31 32 36 00-0075 Compaction Grouting *(31 32 36 00-0074)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 00-0076	LF	Compaction Grouting Casing Installation	22.60
31 32 36 00-0077	CF	Compaction Grout Injection for Soils Densification	17.00
31 32 36 00-0078	CF	Compaction Grout For Void Fill	10.25

31 32 36 00-0079 Polyurethane Grouting *(31 32 36 00-0074)*

Note: A. The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi B. Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 00-0080	LBS	Polyurethane Grouting For Void Fill and Re-Leveling	9.35

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	82.08
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	99.22
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	125.35
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	145.86
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	170.47
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	235.15
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	299.04

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone *(31 37)*

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	81.60
		For Chinking Material, Add	*12.98*
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	96.39
		For Chinking Material, Add	*12.98*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	103.36	
		For Chinking Material, Add	*12.98*	
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	111.28	
		For Chinking Material, Add	*12.98*	
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	117.68	
		For Chinking Material, Add	*12.98*	
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	128.14	
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	137.36	
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	53.18	
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	62.57	
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	66.99	
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	72.03	
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	76.09	
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	82.80	
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	90.84	

31 40 Shoring And Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.63	
		For Wood Sheeting Left In Place	*-0.85*	
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.50	
		For Wood Sheeting Left In Place	*-1.01*	
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.46	
		For Wood Sheeting Left In Place	*-1.18*	
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	13.49	
		For Wood Sheeting Left In Place	*-1.39*	
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.60	
		For Wood Sheeting Left In Place	*-1.60*	
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	15.81	
		For Wood Sheeting Left In Place	*-1.85*	
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	17.13	
		For Wood Sheeting Left In Place	*-2.12*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,707.30	
		For Standard Sheeting Left In Place, Add	*854.93*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,229.99*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,771.22	
		For Standard Sheeting Left In Place, Add	*822.97*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,198.03*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,068.37	
		For Standard Sheeting Left In Place, Add	*674.40*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,049.46*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	
31 41 16 13-0005	TON	Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,354.32	
		For Standard Sheeting Left In Place, Add	*531.42*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*906.48*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0006	TON	Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,522.52	
		For Standard Sheeting Left In Place, Add	*447.32*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*822.38*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	
31 41 16 13-0007	TON	Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,694.10	
		For Standard Sheeting Left In Place, Add	*361.53*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*736.59*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*93.76*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*104.18*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*322.96*	
		For Each Additional Month >3 Months, Add	*52.09*	

31 45 Vibroflotation And Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	10.89	

31 60 Special Foundations And Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	19.10	
		For Piles Driven In Water, Add	*11.41*	
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	23.28	
		For Piles Driven In Water, Add	*12.71*	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	27.57	
		For Piles Driven In Water, Add	*13.85*	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	33.03	
		For Piles Driven In Water, Add	*15.18*	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	39.38	
		For Piles Driven In Water, Add	*16.73*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	45.13	
		For Piles Driven In Water, Add	*18.36*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	56.45	
		For Piles Driven In Water, Add	*20.76*	

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	29.17	
		For Piles Driven In Water, Add	*12.70*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	35.94	
		For Piles Driven In Water, Add	*13.98*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	42.83	
		For Piles Driven In Water, Add	*15.37*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	51.33	
		For Piles Driven In Water, Add	*17.01*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	90.47	
		For Piles Driven In Water, Add	*21.84*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	58.10	
		For Piles Driven In Water, Add	*19.66*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	22.62	
		For Piles Driven In Water, Add	*11.51*	
31 62 13 23-0018	VLF	14" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	26.05	
		For Piles Driven In Water, Add	*12.39*	
31 62 13 23-0019	VLF	16" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	30.07	
		For Piles Driven In Water, Add	*13.39*	
31 62 13 23-0020	VLF	18" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	33.60	
		For Piles Driven In Water, Add	*14.45*	
31 62 13 23-0021	VLF	20" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	40.88	
		For Piles Driven In Water, Add	*15.97*	
31 62 13 23-0022	VLF	24" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	49.29	
		For Piles Driven In Water, Add	*17.72*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0002	VLF	8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile	41.73	
		For Piles Driven In Water, Add	*14.56*	
31 62 16 16-0003	VLF	10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile	47.34	
		For Piles Driven In Water, Add	*15.64*	
31 62 16 16-0004	VLF	10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile	59.91	
		For Piles Driven In Water, Add	*16.90*	
31 62 16 16-0005	VLF	12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile	56.92	
		For Piles Driven In Water, Add	*16.92*	
31 62 16 16-0006	VLF	12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile	65.30	
		For Piles Driven In Water, Add	*17.76*	
31 62 16 16-0007	VLF	12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile	75.57	
		For Piles Driven In Water, Add	*19.73*	
31 62 16 16-0008	VLF	12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile	83.95	
		For Piles Driven In Water, Add	*20.56*	
31 62 16 16-0009	VLF	14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile	75.06	
		For Piles Driven In Water, Add	*19.97*	
31 62 16 16-0010	VLF	14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile	89.31	
		For Piles Driven In Water, Add	*21.40*	
31 62 16 16-0011	VLF	14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile	100.52	
		For Piles Driven In Water, Add	*23.55*	
31 62 16 16-0012	VLF	14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile	113.94	
		For Piles Driven In Water, Add	*24.89*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	302.01
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	361.57
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	477.09
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	506.86

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	4,855.92
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	4,855.92
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	4,900.91
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	7,432.03

31 62 16 16-0024 Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	331.79
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	361.57
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	477.09
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	566.42
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	477.09
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	624.10

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter, Unfilled Tubular Driven Steel Pile	33.65	
		For Piles Driven In Water, Add	*16.67*	
31 62 16 19-0003	VLF	10" Diameter, Unfilled Tubular Driven Steel Pile	38.36	
		For Piles Driven In Water, Add	*17.14*	
31 62 16 19-0004	VLF	12" Diameter, Unfilled Tubular Driven Steel Pile	44.70	
		For Piles Driven In Water, Add	*18.47*	
31 62 16 19-0005	VLF	14" Diameter, Unfilled Tubular Driven Steel Pile	48.41	
		For Piles Driven In Water, Add	*20.30*	
31 62 16 19-0006	VLF	16" Diameter, Unfilled Tubular Driven Steel Pile	53.88	
		For Piles Driven In Water, Add	*22.66*	
31 62 16 19-0007	VLF	18" Diameter, Unfilled Tubular Driven Steel Pile	65.88	
		For Piles Driven In Water, Add	*25.32*	

31 62 16 19-0008 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0009 Steel Pipe Pile Splices *(31 62 16 19-0008)*

31 62 16 19-0010	EA	8" Diameter, Steel Pipe Pile Splice	195.11
31 62 16 19-0011	EA	10" Diameter, Steel Pipe Pile Splice	206.07
31 62 16 19-0012	EA	12" Diameter, Steel Pipe Pile Splice	271.42
31 62 16 19-0013	EA	14" Diameter, Steel Pipe Pile Splice	282.23
31 62 16 19-0014	EA	16" Diameter, Steel Pipe Pile Splice	335.99
31 62 16 19-0015	EA	18" Diameter, Steel Pipe Pile Splice	400.54

31 62 16 19-0016 Steel Pipe Standard Pile Points *(31 62 16 19-0008)*

31 62 16 19-0017	EA	8" Diameter, Steel Pipe Standard Pile Point	200.44
31 62 16 19-0018	EA	10" Diameter, Steel Pipe Standard Pile Point	209.22
31 62 16 19-0019	EA	12" Diameter, Steel Pipe Standard Pile Point	235.58
31 62 16 19-0020	EA	14" Diameter, Steel Pipe Standard Pile Point	259.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0021	EA	16" Diameter, Steel Pipe Standard Pile Point	281.67	
31 62 16 19-0022	EA	18" Diameter, Steel Pipe Standard Pile Point	326.18	

31 62 16 19-0023 Steel Pipe Heavy Duty Pile Points *(31 62 16 19-0008)*

31 62 16 19-0024	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point	296.74	
31 62 16 19-0025	EA	12" Diameter, Steel Pipe Heavy Duty Pile Point	307.71	
31 62 16 19-0026	EA	14" Diameter, Steel Pipe Heavy Duty Pile Point	343.16	
31 62 16 19-0027	EA	16" Diameter, Steel Pipe Heavy Duty Pile Point	387.06	
31 62 16 19-0028	EA	18" Diameter, Steel Pipe Heavy Duty Pile Point	430.58	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*
Note: 12 LB Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	29.63	
		For Piles Driven In Water, Add	*12.21*	
		For Untreated Pile, Deduct	*-7.16*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	31.11	
		For Piles Driven In Water, Add	*13.50*	
		For Untreated Pile, Deduct	*-7.24*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	32.78	
		For Piles Driven In Water, Add	*14.37*	
		For Untreated Pile, Deduct	*-7.57*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	35.24	
		For Piles Driven In Water, Add	*16.00*	
		For Untreated Pile, Deduct	*-7.91*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.00	
		For Piles Driven In Water, Add	*18.25*	
		For Untreated Pile, Deduct	*-10.59*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	55.07	
		For Piles Driven In Water, Add	*22.14*	
		For Untreated Pile, Deduct	*-13.54*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*
Note: Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	36.10	
		For Piles Driven In Water, Add	*18.07*	
31 62 23 13-0003	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	41.85	
		For Piles Driven In Water, Add	*18.96*	
31 62 23 13-0004	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	49.57	
		For Piles Driven In Water, Add	*20.98*	
31 62 23 13-0005	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	55.19	
		For Piles Driven In Water, Add	*24.25*	
31 62 23 13-0006	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	60.90	
		For Piles Driven In Water, Add	*25.94*	
31 62 23 13-0007	VLF	18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile	74.21	
		For Piles Driven In Water, Add	*28.88*	

31 62 23 13-0008 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*
Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0009	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	44.80	
		For Piles Driven In Water, Add	*15.57*	
31 62 23 13-0010	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	53.99	
		For Piles Driven In Water, Add	*17.28*	
31 62 23 13-0011	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	60.95	
		For Piles Driven In Water, Add	*18.88*	
31 62 23 13-0012	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	66.29	
		For Piles Driven In Water, Add	*20.48*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0013		Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*		
		Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0014	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	44.00	
		For Piles Driven In Water, Add	*15.49*	
31 62 23 13-0015	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	45.28	
		For Piles Driven In Water, Add	*16.41*	
31 62 23 13-0016	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	54.85	
		For Piles Driven In Water, Add	*18.27*	
31 62 23 13-0017	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	63.06	
		For Piles Driven In Water, Add	*20.16*	
31 62 23 13-0018		Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*		
31 62 23 13-0019	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	27.08	
		For Piles Driven In Water, Add	*12.06*	
		For Thick Wall Shell, Add	*0.04*	
31 62 23 13-0020	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	29.91	
		For Piles Driven In Water, Add	*13.38*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0021	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	32.73	
		For Piles Driven In Water, Add	*14.71*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0022	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	35.55	
		For Piles Driven In Water, Add	*16.03*	
		For Thick Wall Shell, Add	*0.05*	
31 62 23 13-0023	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	38.39	
		For Piles Driven In Water, Add	*17.36*	
		For Thick Wall Shell, Add	*0.06*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0001		Drill Hole *(31 63 36)*		
		Note: Excludes removal of excess material.		
31 63 36 00-0002		Drilling Mobilization *(31 63 36 00-0001)*		
31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	674.11	
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	898.82	
31 63 36 00-0005		Drill Hole In Soil *(31 63 36 00-0001)*		
31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	39.35	
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	45.76	
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	53.77	
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	63.38	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	68.51	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	75.37	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	82.56	
31 63 36 00-0013		Steel H Piles *(31 63 36)*		
31 63 36 00-0014		Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*		
		Note: Includes guides, bracing and alignment.		
31 63 36 00-0015	VLF	8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	39.84	
		For >2,400 To 3,600, Deduct	*-1.24*	
		For >3,600 To 4,800, Deduct	*-2.47*	
		For >4,800 To 6,000, Deduct	*-4.47*	
		For >6,000, Deduct	*-6.46*	
31 63 36 00-0016	VLF	10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	45.36	
		For >2,400 To 3,600, Deduct	*-1.39*	
		For >3,600 To 4,800, Deduct	*-2.78*	
		For >4,800 To 6,000, Deduct	*-5.04*	
		For >6,000, Deduct	*-7.31*	
31 63 36 00-0017	VLF	10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	57.93	
		For >2,400 To 3,600, Deduct	*-1.70*	
		For >3,600 To 4,800, Deduct	*-3.40*	
		For >4,800 To 6,000, Deduct	*-6.30*	
		For >6,000, Deduct	*-9.20*	
31 63 36 00-0018	VLF	12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	54.87	
		For >2,400 To 3,600, Deduct	*-1.63*	
		For >3,600 To 4,800, Deduct	*-3.27*	
		For >4,800 To 6,000, Deduct	*-6.01*	
		For >6,000, Deduct	*-8.75*	
31 63 36 00-0019	VLF	12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	63.25	
		For >2,400 To 3,600, Deduct	*-1.84*	
		For >3,600 To 4,800, Deduct	*-3.68*	
		For >4,800 To 6,000, Deduct	*-6.85*	
		For >6,000, Deduct	*-10.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0020	VLF	12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	73.35	
		For >2,400 To 3,600, Deduct	*-2.12*	
		For >3,600 To 4,800, Deduct	*-4.23*	
		For >4,800 To 6,000, Deduct	*-7.90*	
		For >6,000, Deduct	*-11.57*	
31 63 36 00-0021	VLF	12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	81.73	
		For >2,400 To 3,600, Deduct	*-2.33*	
		For >3,600 To 4,800, Deduct	*-4.65*	
		For >4,800 To 6,000, Deduct	*-8.74*	
		For >6,000, Deduct	*-12.82*	
31 63 36 00-0022	VLF	14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	72.79	
		For >2,400 To 3,600, Deduct	*-2.11*	
		For >3,600 To 4,800, Deduct	*-4.22*	
		For >4,800 To 6,000, Deduct	*-7.86*	
		For >6,000, Deduct	*-11.50*	
31 63 36 00-0023	VLF	14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	87.04	
		For >2,400 To 3,600, Deduct	*-2.47*	
		For >3,600 To 4,800, Deduct	*-4.93*	
		For >4,800 To 6,000, Deduct	*-9.28*	
		For >6,000, Deduct	*-13.64*	
31 63 36 00-0024	VLF	14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	98.06	
		For >2,400 To 3,600, Deduct	*-2.77*	
		For >3,600 To 4,800, Deduct	*-5.53*	
		For >4,800 To 6,000, Deduct	*-10.43*	
		For >6,000, Deduct	*-15.34*	
31 63 36 00-0025	VLF	14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile	111.48	
		For >2,400 To 3,600, Deduct	*-3.10*	
		For >3,600 To 4,800, Deduct	*-6.20*	
		For >4,800 To 6,000, Deduct	*-11.78*	
		For >6,000, Deduct	*-17.35*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	10.18	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-1.93*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	11.07	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.99*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	11.92	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.06*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	11.17	
		For >50 To 150, Deduct	*-0.49*	
		For >150 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.06*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	12.51	
		For >50 To 150, Deduct	*-0.49*	
		For >150 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.16*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	13.45	
		For >50 To 150, Deduct	*-0.49*	
		For >150 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.23*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	12.37	
		For >50 To 150, Deduct	*-0.51*	
		For >150 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.20*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	14.56	
		For >50 To 150, Deduct	*-0.51*	
		For >150 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.36*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	15.63	
		For >50 To 150, Deduct	*-0.51*	
		For >150 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.44*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 31 13 00-0088 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	26.36	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	29.29	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	32.21	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	35.14	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	38.06	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	40.99	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	49.28	

END OF SECTION 31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal From Paving *(32 01 11)*

32 01 11 53-0001 Remove Pavement Markings *(32 01 11 53)*
Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.46	
		For Up To 250, Add	*0.73*	
		For >250 To 1,000, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 25,000, Deduct	*-0.37*	
		For >25,000 To 50,000, Deduct	*-0.51*	
		For >50,000, Deduct	*-0.58*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	1.76	
		For Up To 250, Add	*0.88*	
		For >250 To 1,000, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 25,000, Deduct	*-0.44*	
		For >25,000 To 50,000, Deduct	*-0.62*	
		For >50,000, Deduct	*-0.70*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.11	
		For Up To 250, Add	*1.06*	
		For >250 To 1,000, Add	*0.53*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 25,000, Deduct	*-0.53*	
		For >25,000 To 50,000, Deduct	*-0.74*	
		For >50,000, Deduct	*-0.84*	
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	2.53	
		For Up To 250, Add	*1.27*	
		For >250 To 1,000, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.63*	
		For >25,000 To 50,000, Deduct	*-0.89*	
		For >50,000, Deduct	*-1.01*	
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	2.53	
		For Up To 250, Add	*1.27*	
		For >250 To 1,000, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.63*	
		For >25,000 To 50,000, Deduct	*-0.89*	
		For >50,000, Deduct	*-1.01*	

32 01 11 53-0007 Remove Pavement Markings (Monterey County) *(32 01 11 53)*

32 01 11 53-0008	LF	Remove Thermoplastic Pavement Stripe	1.15	
32 01 11 53-0009	SF	Remove Thermoplastic Pavement Marking	4.71	

32 01 16 Flexible Paving Rehabilitation *(32 01)*

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0049 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	3.27	
		For Up To 2,500, Add	*2.45*	
		For >2,500 To 5,000, Add	*0.82*	
		For >10,000 To 25,000, Deduct	*-0.33*	
		For >25,000, Deduct	*-0.49*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	4.36	
		For Up To 2,500, Add	*3.27*	
		For >2,500 To 5,000, Add	*1.09*	
		For >10,000 To 25,000, Deduct	*-0.44*	
		For >25,000, Deduct	*-0.65*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	5.79	
		For Up To 2,500, Add	*4.34*	
		For >2,500 To 5,000, Add	*1.45*	
		For >10,000 To 25,000, Deduct	*-0.58*	
		For >25,000, Deduct	*-0.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0006		Limited Production Cold Milling *(32 01 16 71-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0049 for hauling.		
32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	20.65	
		For >100 To 1,000, Deduct	*-10.33*	
		For >1,000, Deduct	*-15.49*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	27.34	
		For >100 To 1,000, Deduct	*-13.67*	
		For >1,000, Deduct	*-20.51*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	36.40	
		For >100 To 1,000, Deduct	*-18.20*	
		For >1,000, Deduct	*-27.30*	
32 01 16 71-0010		Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)* Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.55	

32 01 16 72 Asphalt Paving Reuse *(32 01 16)*

32 01 16 72-0001		Reclamation, Pulverize And Blending With Existing *(32 01 16 72)* Note: Includes direct loading into truck.		
32 01 16 72-0002	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.12	
32 01 16 72-0003	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.56	
32 01 16 72-0004	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.78	
32 01 16 72-0005	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.63	
32 01 16 72-0006	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.03	
32 01 16 72-0007	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	12.13	
32 01 16 72-0008	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.06	
32 01 16 72-0009	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.86	
32 01 16 72-0010	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	13.34	
32 01 16 72-0011	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.67	
32 01 16 72-0012	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.34	
32 01 16 72-0013	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.08	
32 01 16 72-0014	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	14.56	
32 01 16 72-0015	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.28	
32 01 16 72-0016	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.64	
32 01 16 72-0017	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.40	
32 01 16 72-0018	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,251.10	
32 01 16 72-0019		Rejuvenate, Respread Asphalt Pavement *(32 01 16 72)* Note: Includes direct loading into truck.		
32 01 16 72-0020	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep	9.58	
32 01 16 72-0021	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	11.82	
32 01 16 72-0022	TON	Remove, Rejuvenate, Respread Asphalt Grindings	144.35	

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001		Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)* Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.45	
		For >12" To 18" Depth, Add	*1.15*	
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.20	
		For >12" To 18" Depth, Add	*1.08*	
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.68	
		For >12" To 18" Depth, Add	*0.92*	
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.27	
		For >12" To 18" Depth, Add	*0.80*	
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.02	
		For >12" To 18" Depth, Add	*0.72*	
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.85	
		For >12" To 18" Depth, Add	*0.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0008	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.73	
		For >12" To 18" Depth, Add	*0.64*	

32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.48	
		For >12" To 18" Depth, Add	*1.17*	
32 01 16 73-0011	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.71	
		For >12" To 18" Depth, Add	*0.94*	
32 01 16 73-0012	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.30	
		For >12" To 18" Depth, Add	*0.81*	
32 01 16 73-0013	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.05	
		For >12" To 18" Depth, Add	*0.74*	
32 01 16 73-0014	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	1.88	
		For >12" To 18" Depth, Add	*0.69*	
32 01 16 73-0015	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	1.76	
		For >12" To 18" Depth, Add	*0.65*	

32 01 16 73-0016 Supplemental Aggregate *(32 01 16 73)*

32 01 16 73-0017	TON	Supplemental Aggregate	59.64	

32 01 16 73-0018 Cold-In-Place Recycling (CALTRAN) *(32 01 16 73)*

32 01 16 73-0019	TON	Sand Cover (CIPR)	58.00	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 2,500, Deduct	*-2.90*	
		For >2,500 To 5,000, Deduct	*-4.06*	
		For >5,000, Deduct	*-5.22*	
32 01 16 73-0020	SY	Cold In Place Recycling (CIPR)	6.50	
		For >10,000 To 25,000, Deduct	*-0.65*	
		For >25,000, Deduct	*-0.98*	
32 01 16 73-0021	TON	Cement (CIPR)	135.00	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,500, Deduct	*-6.75*	
		For >2,500 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-12.15*	
32 01 16 73-0022	TON	Emulsified Recycling Agent (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	
32 01 16 73-0023	TON	Asphaltic Emulsion (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair *(32 01 17 61)*

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.20	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.31*	
		For 1" x 1/2" Fill, Add	*0.59*	
		For Backer Rod, Add	*0.67*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.97	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.26*	
		For 1" x 1/2" Fill, Add	*0.48*	
		For Backer Rod, Add	*0.61*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.78	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.21*	
		For 1" x 1/2" Fill, Add	*0.40*	
		For Backer Rod, Add	*0.56*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.67	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.18*	
		For 1" x 1/2" Fill, Add	*0.35*	
		For Backer Rod, Add	*0.53*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.60	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.16*	
		For 1" x 1/2" Fill, Add	*0.31*	
		For Backer Rod, Add	*0.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.54	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.15*	
		For 1" x 1/2" Fill, Add	*0.28*	
		For Backer Rod, Add	*0.48*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.24	
		For 3/8" x 1/4" Fill, Add	*0.48*	
		For 1/2" x 1/4" Fill, Add	*0.87*	
		For 1/2" x 1/2" Fill, Add	*1.96*	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.81	
		For 3/8" x 1/4" Fill, Add	*0.39*	
		For 1/2" x 1/4" Fill, Add	*0.72*	
		For 1/2" x 1/2" Fill, Add	*1.63*	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.39	
		For 3/8" x 1/4" Fill, Add	*0.31*	
		For 1/2" x 1/4" Fill, Add	*0.57*	
		For 1/2" x 1/2" Fill, Add	*1.31*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.22	
		For 3/8" x 1/4" Fill, Add	*0.27*	
		For 1/2" x 1/4" Fill, Add	*0.50*	
		For 1/2" x 1/2" Fill, Add	*1.16*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.11	
		For 3/8" x 1/4" Fill, Add	*0.25*	
		For 1/2" x 1/4" Fill, Add	*0.45*	
		For 1/2" x 1/2" Fill, Add	*1.04*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.03	
		For 3/8" x 1/4" Fill, Add	*0.23*	
		For 1/2" x 1/4" Fill, Add	*0.42*	
		For 1/2" x 1/2" Fill, Add	*0.96*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.42	
32 01 17 61-0015	LNMI	Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile	2,752.68	
		Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		

32 01 17 63 Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,471.67
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified	450.48
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,387.06
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix	422.28
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,344.76
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified	408.18
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,302.46
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	394.08
		Note: Use for each ton over 3 tons.	

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,509.95
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix	492.08
		Note: Use for each ton over 3 tons.	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,467.65
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified	477.98
		Note: Use for each ton over 3 tons.	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,425.35
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix	463.88
		Note: Use for each ton over 3 tons.	

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0046 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons	1,955.49
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified	288.73
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,870.88	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	260.53	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,828.58	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	246.43	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,786.28	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	232.33	
32 01 17 63-0026		Grind Asphalt *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	16.96	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving Of Concrete Paving *(32 01 26)*

32 01 26 71-0001 Roadway Grooving *(32 01 26 71)*

32 01 26 71-0002	SY	Pavement Grooving, Concrete, Longitudinal	0.94	
32 01 26 71-0003	SY	Pavement Grooving, Concrete, Transverse	0.70	

32 01 26 71-0004 Rumble Strips *(32 01 26 71)*

32 01 26 71-0005	LF	Safe-Strips Shoulder Rumble Strips, Asphalt	0.28	
32 01 26 71-0006	LF	Safe-Strips Shoulder Rumble Strips, Concrete	0.69	

32 01 26 71-0007 Boat Ramps Grooving *(32 01 26 71)*

32 01 26 71-0008	SY	Concrete Grooving, Boat Ramps	1.50	

32 01 90 Operation And Maintenance Of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	11.83	
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.52	
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.35	
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	7.64	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	148.99	
		For <1 Acre, Add		*37.25*

32 01 90 23 Pruning *(32 01 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0001		**Tree Pruning** *(32 01 90 23)* Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0002	EA	Tree Pruning (Crown Cleaning), 1-1/2" Caliper	24.29	
		For Crown Thinning, Tree Pruning, Add	*5.47*	
		For Crown Raising, Pruning, Add	*8.50*	
		For Crown Reduction, Tree Pruning, Add	*10.93*	
		For Crown Restoration, Pruning, Add	*16.19*	
32 01 90 23-0003	EA	Tree Pruning (Crown Cleaning), 2" Caliper	27.76	
		For Crown Thinning, Tree Pruning, Add	*6.25*	
		For Crown Raising, Pruning, Add	*9.72*	
		For Crown Reduction, Tree Pruning, Add	*12.49*	
		For Crown Restoration, Pruning, Add	*18.51*	
32 01 90 23-0004	EA	Tree Pruning (Crown Cleaning), 2-1/2" Caliper	31.23	
		For Crown Thinning, Tree Pruning, Add	*7.03*	
		For Crown Raising, Pruning, Add	*10.93*	
		For Crown Reduction, Tree Pruning, Add	*14.05*	
		For Crown Restoration, Pruning, Add	*20.82*	
32 01 90 23-0005	EA	Tree Pruning (Crown Cleaning), 3" Caliper	34.70	
		For Crown Thinning, Tree Pruning, Add	*7.81*	
		For Crown Raising, Pruning, Add	*12.15*	
		For Crown Reduction, Tree Pruning, Add	*15.62*	
		For Crown Restoration, Pruning, Add	*23.13*	
32 01 90 23-0006	EA	Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	52.74	
		For Crown Thinning, Tree Pruning, Add	*11.87*	
		For Crown Raising, Pruning, Add	*18.46*	
		For Crown Reduction, Tree Pruning, Add	*23.73*	
		For Crown Restoration, Pruning, Add	*35.16*	
32 01 90 23-0007	EA	Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	85.68	
		For Crown Thinning, Tree Pruning, Add	*19.28*	
		For Crown Raising, Pruning, Add	*29.99*	
		For Crown Reduction, Tree Pruning, Add	*38.56*	
		For Crown Restoration, Pruning, Add	*57.12*	
32 01 90 23-0008	EA	Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	92.29	
		For Crown Thinning, Tree Pruning, Add	*20.77*	
		For Crown Raising, Pruning, Add	*32.30*	
		For Crown Reduction, Tree Pruning, Add	*41.53*	
		For Crown Restoration, Pruning, Add	*61.53*	
32 01 90 23-0009	EA	Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	163.18	
		For Crown Thinning, Tree Pruning, Add	*36.72*	
		For Crown Raising, Pruning, Add	*57.11*	
		For Crown Reduction, Tree Pruning, Add	*73.43*	
		For Crown Restoration, Pruning, Add	*108.79*	
32 01 90 23-0010	EA	Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	147.78	
		For Crown Thinning, Tree Pruning, Add	*33.25*	
		For Crown Raising, Pruning, Add	*51.72*	
		For Crown Reduction, Tree Pruning, Add	*66.50*	
		For Crown Restoration, Pruning, Add	*98.52*	
32 01 90 23-0011	EA	Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment	261.03	
		For Crown Thinning, Tree Pruning, Add	*58.73*	
		For Crown Raising, Pruning, Add	*91.36*	
		For Crown Reduction, Tree Pruning, Add	*117.46*	
		For Crown Restoration, Pruning, Add	*174.03*	
32 01 90 23-0012	EA	Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	170.77	
		For Crown Thinning, Tree Pruning, Add	*38.42*	
		For Crown Raising, Pruning, Add	*59.77*	
		For Crown Reduction, Tree Pruning, Add	*76.85*	
		For Crown Restoration, Pruning, Add	*113.85*	
32 01 90 23-0013	EA	Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment	301.86	
		For Crown Thinning, Tree Pruning, Add	*67.92*	
		For Crown Raising, Pruning, Add	*105.65*	
		For Crown Reduction, Tree Pruning, Add	*135.84*	
		For Crown Restoration, Pruning, Add	*201.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0014	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand	198.52	
		For Crown Thinning, Tree Pruning, Add	*44.67*	
		For Crown Raising, Pruning, Add	*69.48*	
		For Crown Reduction, Tree Pruning, Add	*89.33*	
		For Crown Restoration, Pruning, Add	*132.35*	
32 01 90 23-0015	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	350.81	
		For Crown Thinning, Tree Pruning, Add	*78.93*	
		For Crown Raising, Pruning, Add	*122.78*	
		For Crown Reduction, Tree Pruning, Add	*157.86*	
		For Crown Restoration, Pruning, Add	*233.89*	
32 01 90 23-0016	EA	Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	241.65	
		For Crown Thinning, Tree Pruning, Add	*54.37*	
		For Crown Raising, Pruning, Add	*84.58*	
		For Crown Reduction, Tree Pruning, Add	*108.74*	
		For Crown Restoration, Pruning, Add	*161.11*	
32 01 90 23-0017	EA	Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment	424.32	
		For Crown Thinning, Tree Pruning, Add	*95.47*	
		For Crown Raising, Pruning, Add	*148.51*	
		For Crown Reduction, Tree Pruning, Add	*190.94*	
		For Crown Restoration, Pruning, Add	*282.89*	
32 01 90 23-0018	EA	Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	300.18	
		For Crown Thinning, Tree Pruning, Add	*67.54*	
		For Crown Raising, Pruning, Add	*105.06*	
		For Crown Reduction, Tree Pruning, Add	*135.08*	
		For Crown Restoration, Pruning, Add	*200.13*	
32 01 90 23-0019	EA	Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment	534.76	
		For Crown Thinning, Tree Pruning, Add	*120.32*	
		For Crown Raising, Pruning, Add	*187.17*	
		For Crown Reduction, Tree Pruning, Add	*240.64*	
		For Crown Restoration, Pruning, Add	*356.52*	
32 01 90 23-0020	EA	Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	411.14	
		For Crown Thinning, Tree Pruning, Add	*92.51*	
		For Crown Raising, Pruning, Add	*143.90*	
		For Crown Reduction, Tree Pruning, Add	*185.01*	
		For Crown Restoration, Pruning, Add	*274.11*	
32 01 90 23-0021	EA	Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment	724.78	
		For Crown Thinning, Tree Pruning, Add	*163.08*	
		For Crown Raising, Pruning, Add	*253.67*	
		For Crown Reduction, Tree Pruning, Add	*326.15*	
		For Crown Restoration, Pruning, Add	*483.21*	
32 01 90 23-0022	EA	Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	652.26	
		For Crown Thinning, Tree Pruning, Add	*146.76*	
		For Crown Raising, Pruning, Add	*228.29*	
		For Crown Reduction, Tree Pruning, Add	*293.52*	
		For Crown Restoration, Pruning, Add	*434.86*	
32 01 90 23-0023	EA	Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment	1,165.56	
		For Crown Thinning, Tree Pruning, Add	*262.25*	
		For Crown Raising, Pruning, Add	*407.95*	
		For Crown Reduction, Tree Pruning, Add	*524.50*	
		For Crown Restoration, Pruning, Add	*777.08*	
32 01 90 23-0024	EA	Trim Mexican Palm Tree	73.58	
32 01 90 23-0025	EA	Trim Date Palm Tree	166.03	
32 01 90 23-0026	LF	Skin Palm Tree	18.87	

32 01 90 23-0027 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0028	MSF	Shrub Pruning, Prune, Shrub Bed	79.08	
32 01 90 23-0029	EA	Shrub Pruning, Prune, Shrub Under 3' Height	2.77	
32 01 90 23-0030	EA	Shrub Pruning, Prune, Shrub 4' Height	6.24	
32 01 90 23-0031	EA	Shrub Pruning, Prune, Shrub Over 6'	11.10	
32 01 90 23-0032	EA	Shrub Pruning, Prune Trees From Ground	27.76	
32 01 90 23-0033	EA	Shrub Pruning, Prune Trees From Ground, High Work	69.40	

32 01 90 23-0034 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0035	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	13.88	
32 01 90 23-0036	EA	Root Pruning, One Side Of 2" Caliper Tree	17.35	
32 01 90 23-0037	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	20.82	
32 01 90 23-0038	EA	Root Pruning, One Side Of 3" Caliper Tree	27.76	
32 01 90 23-0039	EA	Root Pruning, One Side Of 4" Caliper Tree	41.64	
32 01 90 23-0040	EA	Root Pruning, One Side Of 6" Caliper Tree	52.05	
32 01 90 23-0041	EA	Root Pruning, One Side Of 9" Caliper Tree	72.87	
32 01 90 23-0042	EA	Root Pruning, One Side Of 12" Caliper Tree	83.28	
32 01 90 23-0043	EA	Root Pruning, One Side Of 18" Caliper Tree	97.16	
32 01 90 23-0044	EA	Root Pruning, One Side Of 24" Caliper Tree	121.45	
32 01 90 23-0045	EA	Root Pruning, One Side Of 30" Caliper Tree	149.21	
32 01 90 23-0046	EA	Root Pruning, One Side Of 36" Caliper Tree	173.50	
32 01 90 23-0047	EA	Root Pruning, One Side Of 48" Caliper Tree	208.21	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 26		**Watering** *(32 01 90)*		
		Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001		Watering Lawns, Plants And Trees *(32 01 90 26)*		
		Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	28.95	
32 01 90 26-0003	CSF	Watering Groundcover	4.69	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	8.64	
32 01 90 26-0005	EA	Watering Trees, 1" To 5" Diameter By Hand	8.71	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	11.63	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	14.70	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	17.44	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	7.62	
32 01 90 36		**Weed And Brush Control** *(32 01 90)*		
32 01 90 36-0001		Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*		
32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	6.23	
		For >45 To 90, Deduct	*-0.33*	
		For >90 To 225, Deduct	*-0.96*	
		For >225 To 870, Deduct	*-1.58*	
		For >870, Deduct	*-1.91*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.57	
		For >45 To 90, Deduct	*-0.37*	
		For >90 To 225, Deduct	*-1.02*	
		For >225 To 870, Deduct	*-1.68*	
		For >870, Deduct	*-2.05*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	6.54	
		Note: Includes pre and post emergent.		
		For >45 To 90, Deduct	*-0.36*	
		For >90 To 225, Deduct	*-1.02*	
		For >225 To 870, Deduct	*-1.67*	
		For >870, Deduct	*-2.04*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	6.75	
		Note: Includes pre and post emergents.		
		For >45 To 90, Deduct	*-0.38*	
		For >90 To 225, Deduct	*-1.06*	
		For >225 To 870, Deduct	*-1.73*	
		For >870, Deduct	*-2.12*	
32 01 90 39		**Pesticides** *(32 01 90)*		
32 01 90 39-0001	MSF	Pesticide - Surface Eating	8.90	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	8.94	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	9.71	
32 01 90 43		**Weed And Cultivate Beds** *(32 01 90)*		
32 01 90 43-0001	MSF	Weed Mulched Bed	34.01	
32 01 90 43-0002	MSF	Weed Unmulched Bed	97.19	
32 01 90 43-0003	MSF	Cultivate Bed	52.33	
32 01 90 46		**Hedge Trimming** *(32 01 90)*		
32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.49	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.73	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	10.20	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	10.39	
32 01 90 53		**Plant Growth Regulator Application** *(32 01 90)*		
32 01 90 53-0001	EA	Plant Growth Regulator Application	5.11	

32 10 Bases, Ballasts, And Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0001		Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*		
		Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.		
32 11 16 16-0002		Base And Subbase Courses By The CY *(32 11 16 16-0001)*		
32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	78.25	
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	73.72	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0005	CY	Recycled Base Course	42.78	

32 11 16 16-0006 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0007	SY	2" Class II Graded Crushed Aggregate Base Course	5.03	
		For Up To 500, Add	*1.23*	
		For >500 To 1,000, Add	*0.50*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.33*	
32 11 16 16-0008	SY	4" Class II Crushed Aggregate Base Course	10.04	
		For Up To 500, Add	*2.46*	
		For >500 To 1,000, Add	*1.00*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000, Deduct	*-0.65*	
32 11 16 16-0009	SY	6" Class II Crushed Aggregate Base Course	15.06	
		For Up To 500, Add	*3.69*	
		For >500 To 1,000, Add	*1.51*	
		For >5,000 To 10,000, Deduct	*-0.57*	
		For >10,000, Deduct	*-0.98*	
32 11 16 16-0010	SY	9" Class II Crushed Aggregate Base Course	22.59	
		For Up To 500, Add	*5.53*	
		For >500 To 1,000, Add	*2.26*	
		For >5,000 To 10,000, Deduct	*-0.86*	
		For >10,000, Deduct	*-1.47*	
32 11 16 16-0011	SY	12" Class II Crushed Aggregate Base Course	30.11	
		For Up To 500, Add	*7.37*	
		For >500 To 1,000, Add	*3.01*	
		For >5,000 To 10,000, Deduct	*-1.14*	
		For >10,000, Deduct	*-1.96*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.65	
		For Up To 1,000, Add	*0.18*	
		For >1,000 To 2,500, Add	*0.07*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.90	
		For Up To 1,000, Add	*0.24*	
		For >1,000 To 2,500, Add	*0.09*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.14	
		For Up To 1,000, Add	*0.31*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.49	
		For Up To 1,000, Add	*0.40*	
		For >1,000 To 2,500, Add	*0.15*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.84	
		For Up To 1,000, Add	*0.50*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.11	
		For Up To 1,000, Add	*0.57*	
		For >1,000 To 2,500, Add	*0.21*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.39	
		For Up To 1,000, Add	*0.65*	
		For >1,000 To 2,500, Add	*0.24*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	109.69	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	TON	Tack Coat (Monterey County)	956.97	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.02	
		For Up To 150, Add	*0.22*	
		For >150 To 300, Add	*0.10*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.08	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	1.13	
		For Up To 150, Add	*0.25*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.08*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY	151.05	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*19.43*	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000 To 2,500, Deduct	*-12.37*	
		For >2,500 To 5,000, Deduct	*-19.20*	
		For >5,000, Deduct	*-27.51*	
32 12 16 13-0003	SY	1" Thick Binder Course	8.66	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.07*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000 To 50,000, Deduct	*-0.70*	
		For >50,000 To 100,000, Deduct	*-1.09*	
		For >100,000, Deduct	*-1.56*	
32 12 16 13-0004	SY	1-1/2" Thick Binder Course	12.84	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.60*	
		For >7,000 To 14,000, Deduct	*-0.58*	
		For >14,000 To 32,000, Deduct	*-1.05*	
		For >32,000 To 64,000, Deduct	*-1.62*	
		For >64,000, Deduct	*-2.33*	
32 12 16 13-0005	SY	2" Thick Binder Course	16.99	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.13*	
		For >5,000 To 10,000, Deduct	*-0.77*	
		For >10,000 To 24,000, Deduct	*-1.39*	
		For >24,000 To 48,000, Deduct	*-2.16*	
		For >48,000, Deduct	*-3.09*	
32 12 16 13-0006	SY	2-1/2" Thick Binder Course	20.76	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.67*	
		For >4,000 To 8,000, Deduct	*-0.95*	
		For >8,000 To 20,000, Deduct	*-1.72*	
		For >20,000 To 40,000, Deduct	*-2.67*	
		For >40,000, Deduct	*-3.82*	
32 12 16 13-0007	SY	3" Thick Binder Course	24.56	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.20*	
		For >3,000 To 6,000, Deduct	*-1.13*	
		For >6,000 To 16,000, Deduct	*-2.05*	
		For >16,000 To 32,000, Deduct	*-3.18*	
		For >32,000, Deduct	*-4.56*	
32 12 16 13-0008	SY	3-1/2" Thick Binder Course	28.63	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.74*	
		For >2,800 To 5,600, Deduct	*-1.32*	
		For >5,600 To 14,000, Deduct	*-2.39*	
		For >14,000 To 28,000, Deduct	*-3.71*	
		For >28,000, Deduct	*-5.32*	
32 12 16 13-0009	SY	4" Thick Binder Course	32.75	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.27*	
		For >2,500 To 5,000, Deduct	*-1.51*	
		For >5,000 To 12,000, Deduct	*-2.73*	
		For >12,000 To 24,000, Deduct	*-4.24*	
		For >24,000, Deduct	*-6.08*	
32 12 16 13-0010	SY	5" Thick Binder Course	40.91	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*5.34*	
		For >2,000 To 3,900, Deduct	*-1.89*	
		For >3,900 To 10,000, Deduct	*-3.41*	
		For >10,000 To 20,000, Deduct	*-5.30*	
		For >20,000, Deduct	*-7.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0011	SY	6" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	49.13	
		For PG64-10 Asphalt, Add	*6.40*	
		For >1,600 To 3,200, Deduct	*-2.26*	
		For >3,200 To 8,000, Deduct	*-4.10*	
		For >8,000 To 16,000, Deduct	*-6.36*	
		For >16,000, Deduct	*-9.12*	

32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	150.50	
		For PG64-10 Asphalt, Add	*3.09*	
		For >500 To 1,000, Deduct	*-6.63*	
		For >1,000 To 2,500, Deduct	*-12.02*	
		For >2,500 To 5,000, Deduct	*-18.64*	
		For >5,000, Deduct	*-26.73*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	166.10	
		For Warm Mix Additive, Add	*8.76*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	178.47	
		For Warm Mix Additive, Add	*9.56*	
32 12 16 13-0016	SY	1" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	8.43	
		For PG64-10 Asphalt, Add	*0.16*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000 To 50,000, Deduct	*-0.66*	
		For >50,000 To 100,000, Deduct	*-1.02*	
		For >100,000, Deduct	*-1.47*	
32 12 16 13-0017	SY	1-1/2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	12.43	
		For PG64-10 Asphalt, Add	*0.24*	
		For >7,000 To 14,000, Deduct	*-0.54*	
		For >14,000 To 32,000, Deduct	*-0.98*	
		For >32,000 To 64,000, Deduct	*-1.52*	
		For >64,000, Deduct	*-2.19*	
32 12 16 13-0018	SY	2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	16.41	
		For PG64-10 Asphalt, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.72*	
		For >10,000 To 24,000, Deduct	*-1.30*	
		For >24,000 To 48,000, Deduct	*-2.02*	
		For >48,000, Deduct	*-2.90*	
32 12 16 13-0019	SY	2-1/2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	19.93	
		For PG64-10 Asphalt, Add	*0.41*	
		For >4,000 To 8,000, Deduct	*-0.88*	
		For >8,000 To 20,000, Deduct	*-1.61*	
		For >20,000 To 40,000, Deduct	*-2.49*	
		For >40,000, Deduct	*-3.58*	
32 12 16 13-0020	SY	3" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	23.47	
		For PG64-10 Asphalt, Add	*0.49*	
		For >3,000 To 6,000, Deduct	*-1.05*	
		For >6,000 To 16,000, Deduct	*-1.91*	
		For >16,000 To 32,000, Deduct	*-2.96*	
		For >32,000, Deduct	*-4.25*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	52.20	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	306.55	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	13.19	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	12.93	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	22.35	

32 12 16 39 Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.83	
		For Up To 50, Add	*0.20*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)		0.88	
		For Up To 50, Add		*0.21*	
		For >50 To 150, Add		*0.15*	
		For >150 To 250, Add		*0.10*	
		For >250 To 500, Add		*0.05*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane		31.85
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane		24.33
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane		15.87

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway		3.02
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway		5.35

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails		2.22

32 12 36 Seal Coats *(32 12)*

32 12 36 00-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 12 36)*

Note: Includes sweeping and cleaning of area.

32 12 36 00-0002	SY	Asphalt Seal Coating Minimum		392.15
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 12 36 00-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate		2.36
32 12 36 00-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate		1.58
32 12 36 00-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate		1.11
32 12 36 00-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating		4.65
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating		3.64
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating		2.86
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating		2.33
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating		1.88
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating		1.47
		Note: 1/8" thick.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating		5.70
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Latex Modified Asphalt Emulsion, Add	*0.42*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating		4.59
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		For Latex Modified Asphalt Emulsion, Add	*0.37*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	3.56	
		For Latex Modified Asphalt Emulsion, Add	*0.30*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.87	
		For Latex Modified Asphalt Emulsion, Add	*0.25*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.40	
		For Latex Modified Asphalt Emulsion, Add	*0.22*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.09	
		For Latex Modified Asphalt Emulsion, Add	*0.19*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	6.56	
		For Latex Modified Asphalt Emulsion, Add	*0.49*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	5.41	
		For Latex Modified Asphalt Emulsion, Add	*0.43*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	4.13	
		For Latex Modified Asphalt Emulsion, Add	*0.35*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	3.34	
		For Latex Modified Asphalt Emulsion, Add	*0.29*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.80	
		For Latex Modified Asphalt Emulsion, Add	*0.25*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.30	
		For Latex Modified Asphalt Emulsion, Add	*0.21*	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.44*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.51*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.65*	
32 12 36 00-0024	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.35	
32 12 36 00-0025	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.47	
32 12 36 00-0026	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.46	
32 12 36 00-0027	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.83	
32 12 36 00-0028	SY	>20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.39	
32 12 36 00-0029	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.14	
32 12 36 00-0030	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.26	
32 12 36 00-0031	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.14	
32 12 36 00-0032	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.44	
32 12 36 00-0033	SY	>20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.93	
32 12 36 00-0034		**Water Based Emulsion Sealer** *(32 12 36)* Note: Includes sweeping and cleaning of area.		
32 12 36 00-0035	SY	Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat	3.95	
		For Additional Coats, Add	*2.20*	
32 12 36 00-0036	SY	>500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	3.18	
		For Additional Coats, Add	*1.77*	
32 12 36 00-0037	SY	>1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.39	
		For Additional Coats, Add	*1.32*	
32 12 36 00-0038		**Sand Sealer** *(32 12 36)* Note: To be added to Slurry Seal.		
32 12 36 00-0039	SY	Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	2.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0040	SY	>200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.96	
32 12 36 00-0041	SY	>500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.75	
32 12 36 00-0042	SY	>1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.39	
32 12 36 00-0043	SY	>4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.29	
32 12 36 00-0044	SY	>7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	1.21	
32 12 36 00-0045	SY	>16,700 SY Sand Seal Spray Applied Asphalt Emulsion	1.13	

32 12 36 00-0046 Asphalt Emulsion Sealers (Chip Seal) *(32 12 36)*

32 12 36 00-0047 Fine Screenings Seal Coat *(32 12 36 00-0046)*

Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 00-0048	SY	Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.97	
32 12 36 00-0049	SY	>200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.36	
32 12 36 00-0050	SY	>500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.13	
32 12 36 00-0051	SY	>1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.75	
32 12 36 00-0052	SY	>4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.63	
32 12 36 00-0053	SY	>7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.54	
32 12 36 00-0054	SY	>16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.44	

32 12 36 00-0055 Medium Fine Screenings Seal Coat *(32 12 36 00-0046)*

Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 00-0056	SY	Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.34	
32 12 36 00-0057	SY	>200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.68	
32 12 36 00-0058	SY	>500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.44	
32 12 36 00-0059	SY	>1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.05	
32 12 36 00-0060	SY	>4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.92	
32 12 36 00-0061	SY	>7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.82	
32 12 36 00-0062	SY	>16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.71	

32 12 36 00-0063 Medium Screenings Seal Coat *(32 12 36 00-0046)*

Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 00-0064	SY	Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.45	
32 12 36 00-0065	SY	>200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.78	
32 12 36 00-0066	SY	>500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.54	
32 12 36 00-0067	SY	>1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.15	
32 12 36 00-0068	SY	>4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.01	
32 12 36 00-0069	SY	>7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.91	
32 12 36 00-0070	SY	>16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.80	

32 12 36 00-0071 Course Screenings Seal Coat *(32 12 36 00-0046)*

Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 00-0072	SY	Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.52	
32 12 36 00-0073	SY	>200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.84	
32 12 36 00-0074	SY	>500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.59	
32 12 36 00-0075	SY	>1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.19	
32 12 36 00-0076	SY	>4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.05	
32 12 36 00-0077	SY	>7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.95	
32 12 36 00-0078	SY	>16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.84	

32 12 36 00-0079 Double Screenings Seal Coat *(32 12 36 00-0046)*

Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 00-0080	SY	Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	5.48	
32 12 36 00-0081	SY	>200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.44	
32 12 36 00-0082	SY	>500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.08	
32 12 36 00-0083	SY	>1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.49	
32 12 36 00-0084	SY	>4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.27	
32 12 36 00-0085	SY	>7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.12	
32 12 36 00-0086	SY	>16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.96	

32 12 36 00-0087 Seal Coat With Sand And Latex *(32 12 36)*

32 12 36 00-0088	SY	Up To 250 SY Seal Coat With Sand And Latex Added (One Coat)	4.42	
32 12 36 00-0089	SY	>250 To 500 SY Seal Coat With Sand And Latex Added (One Coat)	3.66	
32 12 36 00-0090	SY	>500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat)	2.90	
32 12 36 00-0091	SY	>1,000 To 2,500 SF Seal Coat With Sand And Latex Added (One Coat)	2.14	
32 12 36 00-0092	SY	>2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.68	
32 12 36 00-0093	SY	>5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.53	
32 12 36 00-0094	SY	>10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.38	
32 12 36 00-0095	SY	>20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.22	
32 12 36 00-0096	SY	>40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.07	

32 12 36 00-0097 Asphalt Rubber Aggregate Membrane *(32 12 36)*

Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0098	SY	Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane	5.99	
32 12 36 00-0099	SY	>200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	4.88	
32 12 36 00-0100	SY	>500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.50	
32 12 36 00-0101	SY	>1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	3.89	
32 12 36 00-0102	SY	>4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.65	
32 12 36 00-0103	SY	>7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.49	
32 12 36 00-0104	SY	>16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.31	

32 12 36 00-0105 Asphalt Emulsion, Fog Seal (Monterey County) *(32 12 36)*

32 12 36 00-0106	TON	Asphaltic Emulsion, Fog Seal (Monterey County)	907.30	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	24.44	

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.

For Up To 100, Add	*8.78*
For >100 To 500, Add	*2.29*
For >1,000 To 5,000, Deduct	*-1.07*
For >5,000, Deduct	*-2.01*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.57	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	36.22	
		For 2,500 PSI Concrete, Deduct	*-1.62*	
		For 3,000 PSI Concrete, Deduct	*-1.06*	
		For 3,500 PSI Concrete, Deduct	*-0.85*	
		For 4,000 PSI Concrete, Deduct	*-0.37*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*1.84*	
		For <10' Wide Pass, Add	*6.94*	
		For >24' Wide Pass, Deduct	*-7.24*	
		For Air Entrainment, Add	*0.71*	
		For Slipforming, Deduct	*-3.62*	
		For Up To 100, Add	*16.08*	
		For >100 To 250, Add	*8.75*	
		For >250 To 500, Add	*4.37*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000 To 5,000, Deduct	*-1.61*	
		For >5,000 To 10,000, Deduct	*-2.52*	
		For >10,000 To 20,000, Deduct	*-3.42*	
		For >20,000, Deduct	*-4.33*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	42.28	
		For 2,500 PSI Concrete, Deduct	*-2.04*	
		For 3,000 PSI Concrete, Deduct	*-1.33*	
		For 3,500 PSI Concrete, Deduct	*-1.06*	
		For 4,000 PSI Concrete, Deduct	*-0.46*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*2.30*	
		For <10' Wide Pass, Add	*7.91*	
		For >24' Wide Pass, Deduct	*-8.46*	
		For Air Entrainment, Add	*0.89*	
		For Slipforming, Deduct	*-4.23*	
		For Up To 100, Add	*18.28*	
		For >100 To 250, Add	*10.03*	
		For >250 To 500, Add	*5.01*	
		For >1,000 To 2,000, Deduct	*-0.89*	
		For >2,000 To 5,000, Deduct	*-1.94*	
		For >5,000 To 10,000, Deduct	*-3.00*	
		For >10,000 To 20,000, Deduct	*-4.06*	
		For >20,000, Deduct	*-5.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	45.29	
		For 2,500 PSI Concrete, Deduct	*-2.15*	
		For 3,000 PSI Concrete, Deduct	*-1.40*	
		For 3,500 PSI Concrete, Deduct	*-1.12*	
		For 4,000 PSI Concrete, Deduct	*-0.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*2.43*	
		For <10' Wide Pass, Add	*8.52*	
		For >24' Wide Pass, Deduct	*-9.06*	
		For Air Entrainment, Add	*0.93*	
		For Slipforming, Deduct	*-4.53*	
		For Up To 100, Add	*19.70*	
		For >100 To 250, Add	*10.78*	
		For >250 To 500, Add	*5.39*	
		For >1,000 To 2,000, Deduct	*-0.93*	
		For >2,000 To 5,000, Deduct	*-2.07*	
		For >5,000 To 10,000, Deduct	*-3.20*	
		For >10,000 To 20,000, Deduct	*-4.33*	
		For >20,000, Deduct	*-5.46*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	53.03	
		For 2,500 PSI Concrete, Deduct	*-2.71*	
		For 3,000 PSI Concrete, Deduct	*-1.77*	
		For 3,500 PSI Concrete, Deduct	*-1.41*	
		For 4,000 PSI Concrete, Deduct	*-0.61*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.06*	
		For <10' Wide Pass, Add	*9.72*	
		For >24' Wide Pass, Deduct	*-10.61*	
		For Air Entrainment, Add	*1.18*	
		For Slipforming, Deduct	*-5.30*	
		For Up To 100, Add	*22.39*	
		For >100 To 250, Add	*12.37*	
		For >250 To 500, Add	*6.19*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-2.50*	
		For >5,000 To 10,000, Deduct	*-3.83*	
		For >10,000 To 20,000, Deduct	*-5.16*	
		For >20,000, Deduct	*-6.48*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	61.23	
		For 2,500 PSI Concrete, Deduct	*-2.98*	
		For 3,000 PSI Concrete, Deduct	*-1.94*	
		For 3,500 PSI Concrete, Deduct	*-1.55*	
		For 4,000 PSI Concrete, Deduct	*-0.67*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.36*	
		For <10' Wide Pass, Add	*11.43*	
		For >24' Wide Pass, Deduct	*-12.25*	
		For Air Entrainment, Add	*1.29*	
		For Slipforming, Deduct	*-6.12*	
		For Up To 100, Add	*26.39*	
		For >100 To 250, Add	*14.49*	
		For >250 To 500, Add	*7.24*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000 To 5,000, Deduct	*-2.82*	
		For >5,000 To 10,000, Deduct	*-4.36*	
		For >10,000 To 20,000, Deduct	*-5.89*	
		For >20,000, Deduct	*-7.42*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	68.94	
		For 2,500 PSI Concrete, Deduct	*-3.44*	
		For 3,000 PSI Concrete, Deduct	*-2.24*	
		For 3,500 PSI Concrete, Deduct	*-1.79*	
		For 4,000 PSI Concrete, Deduct	*-0.78*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.89*	
		For <10' Wide Pass, Add	*12.75*	
		For >24' Wide Pass, Deduct	*-13.79*	
		For Air Entrainment, Add	*1.50*	
		For Slipforming, Deduct	*-6.89*	
		For Up To 100, Add	*29.40*	
		For >100 To 250, Add	*16.20*	
		For >250 To 500, Add	*8.10*	
		For >1,000 To 2,000, Deduct	*-1.50*	
		For >2,000 To 5,000, Deduct	*-3.22*	
		For >5,000 To 10,000, Deduct	*-4.94*	
		For >10,000 To 20,000, Deduct	*-6.67*	
		For >20,000, Deduct	*-8.39*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	77.09	
		For 2,500 PSI Concrete, Deduct	*-3.78*	
		For 3,000 PSI Concrete, Deduct	*-2.47*	
		For 3,500 PSI Concrete, Deduct	*-1.97*	
		For 4,000 PSI Concrete, Deduct	*-0.86*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.28*	
		For <10' Wide Pass, Add	*14.34*	
		For >24' Wide Pass, Deduct	*-15.42*	
		For Air Entrainment, Add	*1.64*	
		For Slipforming, Deduct	*-7.71*	
		For Up To 100, Add	*33.10*	
		For >100 To 250, Add	*18.19*	
		For >250 To 500, Add	*9.10*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000 To 5,000, Deduct	*-3.57*	
		For >5,000 To 10,000, Deduct	*-5.50*	
		For >10,000 To 20,000, Deduct	*-7.43*	
		For >20,000, Deduct	*-9.35*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	91.98	
		For 2,500 PSI Concrete, Deduct	*-4.48*	
		For 3,000 PSI Concrete, Deduct	*-2.92*	
		For 3,500 PSI Concrete, Deduct	*-2.34*	
		For 4,000 PSI Concrete, Deduct	*-1.01*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.06*	
		For <10' Wide Pass, Add	*17.15*	
		For >24' Wide Pass, Deduct	*-18.40*	
		For Air Entrainment, Add	*1.95*	
		For Slipforming, Deduct	*-9.20*	
		For Up To 100, Add	*39.61*	
		For >100 To 250, Add	*21.75*	
		For >250 To 500, Add	*10.88*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-4.25*	
		For >5,000 To 10,000, Deduct	*-6.55*	
		For >10,000 To 20,000, Deduct	*-8.85*	
		For >20,000, Deduct	*-11.15*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	118.21	
		For 2,500 PSI Concrete, Deduct	*-5.50*	
		For 3,000 PSI Concrete, Deduct	*-3.59*	
		For 3,500 PSI Concrete, Deduct	*-2.87*	
		For 4,000 PSI Concrete, Deduct	*-1.24*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.22*	
		For <10' Wide Pass, Add	*22.38*	
		For >24' Wide Pass, Deduct	*-23.64*	
		For Air Entrainment, Add	*2.39*	
		For Slipforming, Deduct	*-11.82*	
		For Up To 100, Add	*51.80*	
		For >100 To 250, Add	*28.29*	
		For >250 To 500, Add	*14.15*	
		For >1,000 To 2,000, Deduct	*-2.39*	
		For >2,000 To 5,000, Deduct	*-5.35*	
		For >5,000 To 10,000, Deduct	*-8.30*	
		For >10,000 To 20,000, Deduct	*-11.26*	
		For >20,000, Deduct	*-14.21*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	3.85

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assembly *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	10.51
		For >5,000 To 30,000, Deduct	*-1.20*
		For >30,000 To 100,000, Deduct	*-2.29*
		For >100,000, Deduct	*-2.85*
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	12.79
		For >5,000 To 30,000, Deduct	*-1.44*
		For >30,000 To 100,000, Deduct	*-2.71*
		For >100,000, Deduct	*-3.36*

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0001		Concrete Pavement Joint And Crack Repair *(32 13 73 13)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	7.53	
32 13 73 16		**Field-Molded Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 16-0001		Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	11.81	
32 13 73 19		**Compression Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 19-0001		Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)* Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.98	1.92
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.28	1.95
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.61	1.99
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.60	2.04
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.80	2.08
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.38	2.11
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.70	2.17

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001		Paver Restraints *(32 14 09)* Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	3.07	0.86
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000 To 4,000, Deduct	*-0.54*	
		For >4,000, Deduct	*-0.69*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	3.30	0.86
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000, Deduct	*-0.29*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	3.18	0.86
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000 To 1,500, Deduct	*-0.45*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	3.69	0.86
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 1,500, Deduct	*-0.58*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	4.66	0.86
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000 To 1,500, Deduct	*-0.82*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	5.40	0.86
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000 To 1,500, Deduct	*-1.01*	

32 14 11 Bedding For Unit Paving *(32 14)*

32 14 11 00-0001		Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)* Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.		
32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	1.16	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.13*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	1.55	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.13*	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	2.11	
		For Up To 100, Add	*0.73*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	2.72	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.23*	
		For >1,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.20*	
32 14 11 00-0006	SF	1" Mortar Bedding	2.57	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.35*	
		For >1,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.34*	
32 14 11 00-0007	SF	2" Mortar Bedding	3.67	
		For Up To 100, Add	*1.66*	
		For >100 To 500, Add	*0.48*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.47*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.36	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.18*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.42	2.76
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.71*	
		For 3-1/8" Concrete Paver, Add	*1.13*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.70*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*0.98*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.92*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	7.92	2.53
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.68*	
		For 3-1/8" Concrete Paver, Add	*1.10*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.65*	
		For Up To 100, Add	*3.24*	
		For >100 To 500, Add	*0.90*	
		For >1,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.84*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	7.46	2.01
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.66*	
		For 3-1/8" Concrete Paver, Add	*1.06*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.60*	
		For Up To 100, Add	*3.01*	
		For >100 To 500, Add	*0.83*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.77*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	7.04	2.09
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.64*	
		For 3-1/8" Concrete Paver, Add	*1.03*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.56*	
		For Up To 100, Add	*2.80*	
		For >100 To 500, Add	*0.77*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.71*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	7.68	2.40
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*0.67*	
		For 3-1/8" Concrete Paver, Add	*1.08*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.62*	
		For Up To 100, Add	*3.12*	
		For >100 To 500, Add	*0.87*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.81*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	8.22	2.40
		For Up To 100, Add	*3.26*	
		For >100 To 500, Add	*0.89*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	10.04	2.76
		For 1-3/8" Thick Paver, Deduct	*-1.85*	
		For 2-3/4" Thick Paver (Vehicular), Add	*4.11*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.78*	
		For Up To 100, Add	*3.90*	
		For >100 To 500, Add	*1.06*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.97*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	14.29	3.16
		For 1-3/8" Thick Paver, Deduct	*-3.11*	
		For 2-3/4" Thick Paver (Vehicular), Add	*7.12*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.03*	
		For Up To 100, Add	*5.15*	
		For >100 To 500, Add	*1.35*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.19*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 00-0001 Turf Block Plastic Paving *(32 14 33)*

32 14 33 00-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	11.58	2.40
		For Up To 100, Add	*4.10*	
		For >100 To 500, Add	*1.06*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.92*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	15.57	2.30
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.01*	
		For 1/4" Thick Paver, Deduct	*-8.17*	
		For 1/2" Thick Paver, Deduct	*-5.74*	
		For Up To 100, Add	*5.04*	
		For >100 To 500, Add	*1.24*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.02*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	15.15	2.09
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.97*	
		For 1/4" Thick Paver, Deduct	*-8.07*	
		For 1/2" Thick Paver, Deduct	*-5.68*	
		For Up To 100, Add	*4.83*	
		For >100 To 500, Add	*1.17*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.95*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	14.42	1.72
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.89*	
		For 1/4" Thick Paver, Deduct	*-7.89*	
		For 1/2" Thick Paver, Deduct	*-5.57*	
		For Up To 100, Add	*4.47*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.85*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	14.11	1.57
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.86*	
		For 1/4" Thick Paver, Deduct	*-7.81*	
		For 1/2" Thick Paver, Deduct	*-5.52*	
		For Up To 100, Add	*4.31*	
		For >100 To 500, Add	*1.02*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.80*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	14.75	1.89
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.93*	
		For 1/4" Thick Paver, Deduct	*-7.97*	
		For 1/2" Thick Paver, Deduct	*-5.62*	
		For Up To 100, Add	*4.63*	
		For >100 To 500, Add	*1.11*	
		For >1,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0007		**Granite Paver Sidewalk** *(32 14 40)* Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	17.90	2.30
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.12*	
		For 2" Granite Paver, Add	*0.90*	
		For 3" Granite Paver, Add	*1.79*	
		For 4" Granite Paver, Add	*2.02*	
		For Up To 100, Add	*5.62*	
		For >100 To 500, Add	*1.35*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.09*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	17.48	2.09
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.08*	
		For 2" Granite Paver, Add	*0.87*	
		For 3" Granite Paver, Add	*1.75*	
		For 4" Granite Paver, Add	*1.96*	
		For Up To 100, Add	*5.41*	
		For >100 To 500, Add	*1.29*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-1.02*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	16.75	1.72
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.01*	
		For 2" Granite Paver, Add	*0.84*	
		For 3" Granite Paver, Add	*1.68*	
		For 4" Granite Paver, Add	*1.85*	
		For Up To 100, Add	*5.05*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.92*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	16.44	1.57
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.98*	
		For 2" Granite Paver, Add	*0.82*	
		For 3" Granite Paver, Add	*1.64*	
		For 4" Granite Paver, Add	*1.80*	
		For Up To 100, Add	*4.89*	
		For >100 To 500, Add	*1.14*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.87*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	17.08	1.89
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.04*	
		For 2" Granite Paver, Add	*0.85*	
		For 3" Granite Paver, Add	*1.71*	
		For 4" Granite Paver, Add	*1.90*	
		For Up To 100, Add	*5.21*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.96*	
32 14 40 00-0013		**Cobble Stone** *(32 14 40)* Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014	SF	4" to 8" diameter cobble stones, various colors, Up To 500 SF Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	21.60	
32 14 40 00-0015	SF	4" to 8" diameter cobble stones, various colors, > 500 SF Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	16.88	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 15 40 00-0001		**Gravel Surfacing And Spreading** *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	84.63	
32 15 40 00-0003		**Limestone Screenings** *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail	53.82	
32 15 40 00-0005		**Decomposed Granite** *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts.	11.23	
		For Additional 2" Lift	*5.62*	
		For >45 To 180, Deduct	*-0.79*	
		For >180 To 450, Deduct	*-1.02*	
		For >450, Deduct	*-1.25*	

32 16 Curbs, Gutters, Sidewalks, And Driveways *(32 10)*

32 16 13 Curbs And Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0046 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	"B3" Cast In Place Concrete Curb	8.78	8.40
32 16 13 13-0003	LF	"B3" Cast In Place Concrete Curb - Radius	9.98	9.66
32 16 13 13-0004	LF	"B1" Cast In Place Concrete Curb	19.78	8.40
32 16 13 13-0005	LF	"B1" Cast In Place Concrete Curb - Radius	22.66	9.24
32 16 13 13-0006	LF	"A1-150" Cast In Place Concrete Curb	19.44	8.40
32 16 13 13-0007	LF	"A1-150" Cast In Place Concrete Curb - Radius	22.27	9.24
32 16 13 13-0008	LF	"A1-200" Cast In Place Concrete Curb	19.93	8.40
32 16 13 13-0009	LF	"A1-200" Cast In Place Concrete Curb - Radius	22.82	9.24
32 16 13 13-0010	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6)	15.32	8.40
		For Up To 20, Add	*9.78*	
		For >20 To 50, Add	*5.56*	
		For >50 To 100, Add	*2.11*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-3.55*	
32 16 13 13-0011	LF	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	17.60	9.66
		For Up To 20, Add	*11.29*	
		For >20 To 50, Add	*6.42*	
		For >50 To 100, Add	*2.43*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-4.09*	
32 16 13 13-0012	LF	6" x 14" Cast In Place Concrete Curb (Type A1-8)	16.81	8.40
		For Up To 20, Add	*10.71*	
		For >20 To 50, Add	*6.09*	
		For >50 To 100, Add	*2.31*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.88*	
32 16 13 13-0013	LF	6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	19.33	9.66
		For Up To 20, Add	*12.37*	
		For >20 To 50, Add	*7.03*	
		For >50 To 100, Add	*2.67*	
		For >500 To 1,000, Deduct	*-2.67*	
		For >1,000, Deduct	*-4.48*	
32 16 13 13-0014	LF	6" x 16" Cast In Place Concrete Curb	18.44	8.40
		For Up To 20, Add	*11.67*	
		For >20 To 50, Add	*6.63*	
		For >50 To 100, Add	*2.52*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000, Deduct	*-4.24*	
32 16 13 13-0015	LF	6" x 16" Cast In Place Concrete Curb - Radius	21.16	12.59
		For Up To 20, Add	*13.47*	
		For >20 To 50, Add	*7.66*	
		For >50 To 100, Add	*2.91*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-4.89*	
32 16 13 13-0016	LF	6" x 18" Cast In Place Concrete Curb	19.73	8.40
		For Up To 20, Add	*12.43*	
		For >20 To 50, Add	*7.06*	
		For >50 To 100, Add	*2.68*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-4.52*	
32 16 13 13-0017	LF	6" x 18" Cast In Place Concrete Curb - Radius	22.35	9.66
		For Up To 20, Add	*14.13*	
		For >20 To 50, Add	*8.03*	
		For >50 To 100, Add	*3.05*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000, Deduct	*-5.13*	
32 16 13 13-0018	LF	6" x 24" Cast In Place Concrete Curb	22.39	9.24
		For Up To 20, Add	*13.81*	
		For >20 To 50, Add	*7.84*	
		For >50 To 100, Add	*2.99*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-5.04*	
32 16 13 13-0019	LF	6" x 24" Cast In Place Concrete Curb - Radius	25.08	10.50
		For Up To 20, Add	*15.51*	
		For >20 To 50, Add	*8.81*	
		For >50 To 100, Add	*3.35*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020	LF	12" x 24" Cast In Place Concrete Curb	28.11	10.50
		For Up To 20, Add	*16.12*	
		For >20 To 50, Add	*9.11*	
		For >50 To 100, Add	*3.50*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000, Deduct	*-5.96*	
32 16 13 13-0021	LF	12" x 24" Cast In Place Concrete Curb - Radius	31.35	11.76
		For Up To 20, Add	*18.03*	
		For >20 To 50, Add	*10.19*	
		For >50 To 100, Add	*3.92*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000, Deduct	*-6.66*	
32 16 13 13-0022	EA	Additional Finish For Handicap Drop Section In Curb	62.98	

32 16 13 13-0023 Cast In Place Concrete Curb And Gutter *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0024	LF	"A2-6 Modified" Concrete Curb And Gutter - Straight	21.22	9.94
		For Up To 20, Add	*14.47*	
		For >20 To 50, Add	*8.11*	
		For >50 To 100, Add	*3.18*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-4.73*	
		For Rolled Curb And Gutter	*1.53*	
32 16 13 13-0025	LF	"A2-6 Modified" Concrete Curb And Gutter - Radius	23.43	9.94
		For Up To 20, Add	*15.96*	
		For >20 To 50, Add	*8.94*	
		For >50 To 100, Add	*3.51*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-5.20*	
		For Rolled Curb And Gutter	*1.67*	
32 16 13 13-0026	LF	"A2-6" Concrete Curb And Gutter - Straight	29.38	13.25
		For Up To 20, Add	*20.28*	
		For >20 To 50, Add	*11.47*	
		For >50 To 100, Add	*4.41*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-6.91*	
		For Rolled Curb And Gutter	*2.49*	
32 16 13 13-0027	LF	"A2-6" Concrete Curb And Gutter - Radius	36.26	14.90
		For Up To 20, Add	*24.74*	
		For >20 To 50, Add	*13.86*	
		For >50 To 100, Add	*5.44*	
		For >500 To 1,000, Deduct	*-4.79*	
		For >1,000, Deduct	*-8.10*	
		For Rolled Curb And Gutter	*2.63*	
32 16 13 13-0028	LF	"B-2" Concrete Curb And Gutter - Straight	34.87	14.50
		For Up To 20, Add	*23.82*	
		For >20 To 50, Add	*13.36*	
		For >50 To 100, Add	*5.23*	
		For >500 To 1,000, Deduct	*-4.64*	
		For >1,000, Deduct	*-7.84*	
		For Rolled Curb And Gutter	*2.58*	
32 16 13 13-0029	LF	"B-2" Concrete Curb And Gutter - Radius	35.77	14.50
		For Up To 20, Add	*24.36*	
		For >20 To 50, Add	*13.63*	
		For >50 To 100, Add	*5.37*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-7.93*	
		For Rolled Curb And Gutter	*2.53*	
32 16 13 13-0030	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Straight	20.41	9.94
		For Up To 20, Add	*13.99*	
		For >20 To 50, Add	*7.86*	
		For >50 To 100, Add	*3.06*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-4.65*	
		For Rolled Curb And Gutter	*1.57*	
32 16 13 13-0031	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Radius	22.29	13.25
		For Up To 20, Add	*15.28*	
		For >20 To 50, Add	*8.59*	
		For >50 To 100, Add	*3.34*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-5.09*	
		For Rolled Curb And Gutter	*1.73*	
32 16 13 13-0032	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Straight	25.90	11.01
		For Up To 20, Add	*17.74*	
		For >20 To 50, Add	*9.97*	
		For >50 To 100, Add	*3.89*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-5.88*	
		For Rolled Curb And Gutter	*1.98*	
32 16 13 13-0033	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Radius	28.68	12.26
		For Up To 20, Add	*19.65*	
		For >20 To 50, Add	*11.05*	
		For >50 To 100, Add	*4.30*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000, Deduct	*-6.53*	
		For Rolled Curb And Gutter	*2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0034	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	31.38	13.25
		For Up To 20, Add	*21.48*	
		For >20 To 50, Add	*12.06*	
		For >50 To 100, Add	*4.71*	
		For >500 To 1,000, Deduct	*-4.22*	
		For >1,000, Deduct	*-7.11*	
		For Rolled Curb And Gutter	*2.38*	
32 16 13 13-0035	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	35.07	14.90
		For Up To 20, Add	*24.02*	
		For >20 To 50, Add	*13.50*	
		For >50 To 100, Add	*5.26*	
		For >500 To 1,000, Deduct	*-4.73*	
		For >1,000, Deduct	*-7.98*	
		For Rolled Curb And Gutter	*2.69*	
32 16 13 13-0036	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Straight	37.30	15.73
		For Up To 20, Add	*25.53*	
		For >20 To 50, Add	*14.34*	
		For >50 To 100, Add	*5.60*	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000, Deduct	*-8.45*	
		For Rolled Curb And Gutter	*2.83*	
32 16 13 13-0037	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Radius	41.06	17.40
		For Up To 20, Add	*28.12*	
		For >20 To 50, Add	*15.80*	
		For >50 To 100, Add	*6.16*	
		For >500 To 1,000, Deduct	*-5.53*	
		For >1,000, Deduct	*-9.32*	
		For Rolled Curb And Gutter	*3.13*	
32 16 13 13-0038	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Straight	43.20	18.23
		For Up To 20, Add	*29.56*	
		For >20 To 50, Add	*16.60*	
		For >50 To 100, Add	*6.48*	
		For >500 To 1,000, Deduct	*-5.80*	
		For >1,000, Deduct	*-9.79*	
		For Rolled Curb And Gutter	*3.27*	
32 16 13 13-0039	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Radius	47.04	19.88
		For Up To 20, Add	*32.20*	
		For >20 To 50, Add	*18.09*	
		For >50 To 100, Add	*7.06*	
		For >500 To 1,000, Deduct	*-6.33*	
		For >1,000, Deduct	*-10.67*	
		For Rolled Curb And Gutter	*3.58*	
32 16 13 13-0040	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Straight	49.10	20.71
		For Up To 20, Add	*33.60*	
		For >20 To 50, Add	*18.87*	
		For >50 To 100, Add	*7.37*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-11.12*	
		For Rolled Curb And Gutter	*3.72*	
32 16 13 13-0041	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Radius	54.67	23.20
		For Up To 20, Add	*37.44*	
		For >20 To 50, Add	*21.04*	
		For >50 To 100, Add	*8.20*	
		For >500 To 1,000, Deduct	*-7.37*	
		For >1,000, Deduct	*-12.42*	
		For Rolled Curb And Gutter	*4.18*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	JOB	Machine Formed Concrete Curb Minimum Set-Up Charge	1,107.85
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	7.55
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	10.72
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	9.89
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	13.77

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.90	4.01
		For Curved Section, Add	*2.89*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.25	4.55
		For Curved Section, Add	*3.23*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.86	5.10
		For Curved Section, Add	*4.01*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.78	5.73
		For Curved Section, Add	*4.72*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.73	6.28
		For Curved Section, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	41.57	8.01
		For Curved Section, Add	*7.15*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	47.60	10.37
		For Curved Section, Add	*8.64*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	152.09	
32 16 13 16-0010	EA	Pedestrian/Handicap Ramp, Complete	86.58	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Valley Gutter, 6" Thick	18.98	
		For Up To 20, Add	*10.32*	
		For >20 To 50, Add	*5.81*	
		For >50 To 100, Add	*2.25*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000, Deduct	*-3.86*	
32 16 13 19-0003	LF	2-1/2' Wide Valley Gutter, 6" Thick	23.13	
		For Up To 20, Add	*12.49*	
		For >20 To 50, Add	*7.03*	
		For >50 To 100, Add	*2.73*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-4.67*	
32 16 13 19-0004	LF	3' Wide Valley Gutter, 6" Thick	27.21	
		For Up To 20, Add	*14.60*	
		For >20 To 50, Add	*8.22*	
		For >50 To 100, Add	*3.19*	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000, Deduct	*-5.47*	
32 16 13 19-0005	LF	3-1/2' Wide Valley Gutter, 6" Thick	31.29	
		For Up To 20, Add	*16.71*	
		For >20 To 50, Add	*9.40*	
		For >50 To 100, Add	*3.66*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.27*	
32 16 13 19-0006	LF	4' Wide Valley Gutter, 6" Thick	35.37	
		For Up To 20, Add	*18.83*	
		For >20 To 50, Add	*10.59*	
		For >50 To 100, Add	*4.12*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-7.06*	
32 16 13 19-0007	LF	5' Wide Valley Gutter, 6" Thick	41.26	
		For Up To 20, Add	*21.47*	
		For >20 To 50, Add	*12.06*	
		For >50 To 100, Add	*4.71*	
		For >500 To 1,000, Deduct	*-4.71*	
		For >1,000, Deduct	*-8.09*	
32 16 13 19-0008	LF	6' Wide Valley Gutter, 6" Thick	46.82	
		For Up To 20, Add	*23.88*	
		For >20 To 50, Add	*13.39*	
		For >50 To 100, Add	*5.24*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000, Deduct	*-9.04*	
32 16 13 19-0009	SF	>6' Wide Valley Gutter, 6" Thick	7.79	
		For Up To 100, Add	*3.97*	
		For >100 To 250, Add	*2.23*	
		For >250 To 500, Add	*0.87*	
		For >2,500 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.50*	
32 16 13 19-0010	LF	2' Wide Valley Gutter, 7" Thick	20.58	
		For Up To 20, Add	*11.00*	
		For >20 To 50, Add	*6.19*	
		For >50 To 100, Add	*2.41*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-4.12*	
32 16 13 19-0011	LF	2-1/2' Wide Valley Gutter, 7" Thick	25.32	
		For Up To 20, Add	*13.46*	
		For >20 To 50, Add	*7.57*	
		For >50 To 100, Add	*2.95*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-5.05*	
32 16 13 19-0012	LF	3' Wide Valley Gutter, 7" Thick	29.56	
		For Up To 20, Add	*15.58*	
		For >20 To 50, Add	*8.76*	
		For >50 To 100, Add	*3.41*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-5.86*	
32 16 13 19-0013	LF	3-1/2' Wide Valley Gutter, 7" Thick	34.01	
		For Up To 20, Add	*17.84*	
		For >20 To 50, Add	*10.02*	
		For >50 To 100, Add	*3.91*	
		For >500 To 1,000, Deduct	*-3.91*	
		For >1,000, Deduct	*-6.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014	LF	4' Wide Valley Gutter, 7" Thick	38.45	
		For Up To 20, Add	*20.09*	
		For >20 To 50, Add	*11.29*	
		For >50 To 100, Add	*4.40*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000, Deduct	*-7.57*	
32 16 13 19-0015	LF	5' Wide Valley Gutter, 7" Thick	44.97	
		For Up To 20, Add	*22.95*	
		For >20 To 50, Add	*12.87*	
		For >50 To 100, Add	*5.04*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-8.68*	
32 16 13 19-0016	LF	6' Wide Valley Gutter, 7" Thick	51.12	
		For Up To 20, Add	*25.55*	
		For >20 To 50, Add	*14.31*	
		For >50 To 100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000, Deduct	*-9.71*	
32 16 13 19-0017	SF	>6' Wide Valley Gutter, 7" Thick	8.52	
		For Up To 100, Add	*4.26*	
		For >100 To 250, Add	*2.39*	
		For >250 To 500, Add	*0.94*	
		For >2,500 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.62*	
32 16 13 19-0018	LF	2' Wide Valley Gutter, 8" Thick	21.03	
		For Up To 20, Add	*11.45*	
		For >20 To 50, Add	*6.45*	
		For >50 To 100, Add	*2.50*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-4.28*	
32 16 13 19-0019	LF	2-1/2' Wide Valley Gutter, 8" Thick	25.66	
		For Up To 20, Add	*13.87*	
		For >20 To 50, Add	*7.81*	
		For >50 To 100, Add	*3.03*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-5.19*	
32 16 13 19-0020	LF	3' Wide Valley Gutter, 8" Thick	30.18	
		For Up To 20, Add	*16.21*	
		For >20 To 50, Add	*9.12*	
		For >50 To 100, Add	*3.54*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000, Deduct	*-6.07*	
32 16 13 19-0021	LF	3-1/2' Wide Valley Gutter, 8" Thick	34.70	
		For Up To 20, Add	*18.56*	
		For >20 To 50, Add	*10.44*	
		For >50 To 100, Add	*4.06*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-6.95*	
32 16 13 19-0022	LF	4' Wide Valley Gutter, 8" Thick	39.21	
		For Up To 20, Add	*20.90*	
		For >20 To 50, Add	*11.75*	
		For >50 To 100, Add	*4.57*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000, Deduct	*-7.84*	
32 16 13 19-0023	LF	5' Wide Valley Gutter, 8" Thick	45.75	
32 16 13 19-0024	LF	6' Wide Valley Gutter, 8" Thick	51.91	
32 16 13 19-0025	SF	>6' Wide Valley Gutter, 8" Thick	8.66	
		For Up To 100, Add	*4.42*	
		For >100 To 250, Add	*2.48*	
		For >250 To 500, Add	*0.97*	
		For >2,500 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.67*	

32 16 13 19-0026 Gutter Intersections *(32 16 13 19)*

Note: Assembly includes installation, concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0027	EA	Cross Gutter At T Section	727.06
32 16 13 19-0028	EA	8' Alley Intersection Or Typical Cross Gutter	888.87
32 16 13 19-0029	EA	10' Alley Intersection Or Typical Cross Gutter	1,388.86
32 16 13 19-0030	EA	15' Alley Intersection Or Typical Cross Gutter	3,124.94
32 16 13 19-0031	EA	20' Alley Intersection Or Typical Cross Gutter	5,555.44
32 16 13 19-0032	EA	25' Alley Intersection Or Typical Cross Gutter	8,680.38
32 16 13 19-0033	EA	30' Alley Intersection Or Typical Cross Gutter	12,499.74

32 16 13 19-0034 Driveway Approach, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0035	SF	4 Cast In Place Concrete Driveway Approach	10.21	
		For Up To 100, Add	*4.67*	
		For >100 To 500, Add	*1.36*	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.78*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0036	SF	6" Cast In Place Concrete Driveway Approach	13.91	
		For Up To 100, Add	*6.36*	
		For >100 To 500, Add	*1.85*	
		For >1,000 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-2.43*	

32 16 13 23 Precast Concrete Curbs And Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" X 18" Precast Concrete Curb	28.09	7.75
32 16 13 23-0003	LF	6" X 18" Precast Concrete Curb, Radius	33.19	8.91

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.80	4.09
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	12.19	4.55
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	13.46	5.01

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0002	LF	Removal And Reseting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	29.30	

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	6.87	
		For Up To 100, Add	*3.07*	
		For >100 To 500, Add	*0.88*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.15*	
		For Welded Wire Reinforcement, Add	*0.56*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	7.39	
		For Up To 100, Add	*3.25*	
		For >100 To 500, Add	*0.93*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.21*	
		For Welded Wire Reinforcement, Add	*0.58*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	7.91	
		For Up To 100, Add	*3.43*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.26*	
		For Welded Wire Reinforcement, Add	*0.59*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	9.18	
		For Up To 100, Add	*3.94*	
		For >100 To 500, Add	*1.12*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.44*	
		For Welded Wire Reinforcement, Add	*0.65*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	9.61	
		For Up To 100, Add	*4.08*	
		For >100 To 500, Add	*1.15*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-1.48*	
		For Welded Wire Reinforcement, Add	*0.66*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.92	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	115.34	

32 16 23 00-0009 Bituminous Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	8.90	
		For Up To 100, Add	*3.13*	
		For >100 To 500, Add	*0.81*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	11.25	
		For Up To 100, Add	*3.90*	
		For >100 To 500, Add	*1.00*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-1.00*	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	15.91	
		For Up To 100, Add	*5.33*	
		For >100 To 500, Add	*1.33*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.33*	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	19.91	
		For Up To 100, Add	*6.65*	
		For >100 To 500, Add	*1.66*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-1.66*	
32 16 23 00-0014	SY	3" Bituminous Sidewalk	23.12	
		For Up To 100, Add	*7.59*	
		For >100 To 500, Add	*1.88*	
		For >1,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-1.88*	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	26.89	
		For Up To 100, Add	*8.72*	
		For >100 To 500, Add	*2.14*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-2.14*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	9.46	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	12.84	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	12.84	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	18.13	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	21.43	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	5.32	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	13.23	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	20.45	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	9.46	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	5.32	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	20.45	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	13.23	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	7.71	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	56.86	5.66
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	63.42	5.66

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	46.20	17.04
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	53.70	17.04
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	54.90	17.04
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	57.36	17.04
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	53.70	17.04
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	67.26	17.04
32 17 13 19-0007	EA	7.625" x 7.625" x 6' Precast Concrete Wheel Stop	70.47	17.04
32 17 13 19-0008	EA	7.625" x 7.625" x 8' Precast Concrete Wheel Stop	101.30	17.04
32 17 13 19-0009	EA	8" x 12" x 8' Precast Concrete Wheel Stop With Dowels	71.25	18.39

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	26.43	5.66
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	31.11	5.66
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	32.98	5.66
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	35.79	5.66

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	7.87	1.37
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	10.26	1.37

32 17 13 33 Remove And Relocate Parking Bumpers *(32 17 13)*

32 17 13 33-0001	EA	Removal And Relocation Of Precast Concrete Wheel Stop	27.25	
32 17 13 33-0002	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	17.72	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 33-0003	EA	Reset 4' Bumper	24.02	
32 17 13 33-0004	EA	Reset 6' Bumper	33.07	

32 17 16 Speed Bumps *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	41.42	
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	36.18	
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	33.83	
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	39.60	
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	34.71	
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	32.62	
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	37.74	
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	33.58	
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	31.62	

32 17 16 00-0011 Asphalt Speed Table *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0012	LF	Up to 36" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	29.30	
32 17 16 00-0013	LF	>36" To 48" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	34.72	
32 17 16 00-0014	LF	Up to 36" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	36.90	
32 17 16 00-0015	LF	>36" To 48" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	43.77	
32 17 16 00-0016	LF	Up to 36" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	44.51	
32 17 16 00-0017	LF	>36" To 48" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	49.93	

32 17 16 00-0018 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	36.59	1.37
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.11	0.92
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	35.94	0.92

32 17 23 Pavement Markings *(32 17)*

32 17 23 09 Minimum Charge For Pavement Striping *(32 17 23)*

Note: For projects where the total pavement striping charge is less than the minimum charge, use item exclusively. Item should not be used in conjunction with any other items in this section.

32 17 23 09-0001	EA	Pavement Striping Minimum Charge	324.62

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 Striping, Letters, Symbols And Markers for Roads And Airports *(32 17 23 13)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 13-0002 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.40
		For 20 Mil Thickness, Add	*0.11*
		For Up To 1 Mile, Add	*0.08*
		For >5 Miles, Deduct	*-0.06*
		For Broken Line (25% Solid), Deduct	*-0.17*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.56	
		For 20 Mil Thickness, Add	*0.16*	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line (25% Solid), Deduct	*-0.26*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.69	
		For 20 Mil Thickness, Add	*0.20*	
		For Up To 1 Mile, Add	*0.14*	
		For >5 Miles, Deduct	*-0.10*	
		For Broken Line (25% Solid), Deduct	*-0.31*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.03	
		For 20 Mil Thickness, Add	*0.30*	
		For Up To 1 Mile, Add	*0.21*	
		For >5 Miles, Deduct	*-0.15*	
		For Broken Line (25% Solid), Deduct	*-0.50*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.62	
		For 20 Mil Thickness, Add	*0.19*	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.17*	
		For Double Broken Line, Deduct	*-0.34*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.90	
		For 20 Mil Thickness, Add	*0.27*	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.26*	
		For Double Broken Line, Deduct	*-0.51*	
32 17 23 13-0009	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.08	
		For 20 Mil Thickness, Add	*0.67*	
32 17 23 13-0010	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.81	
		For 20 Mil Thickness, Add	*0.34*	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0011	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	6.78	
		For 20 Mil Thickness, Add	*0.86*	
		For <10, Add	*0.75*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0012	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	11.42	
		For 20 Mil Thickness, Add	*1.48*	
		For <10, Add	*1.25*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.67*	
32 17 23 13-0013	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	22.10	
		For 20 Mil Thickness, Add	*2.71*	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 200, Deduct	*-1.67*	
		For >200, Deduct	*-3.34*	
32 17 23 13-0014	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	25.75	
		For 20 Mil Thickness, Add	*3.36*	
		For <10, Add	*2.81*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.88*	
		For >200, Deduct	*-3.75*	
32 17 23 13-0015	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	46.13	
		For 20 Mil Thickness, Add	*6.08*	
		For <10, Add	*5.00*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.67*	
32 17 23 13-0016	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	61.61	
		For 20 Mil Thickness, Add	*8.06*	
		For <10, Add	*6.72*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-4.48*	
		For >200, Deduct	*-8.96*	
32 17 23 13-0017	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	93.04	
		For 20 Mil Thickness, Add	*15.55*	
		For <10, Add	*8.33*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 200, Deduct	*-5.55*	
		For >200, Deduct	*-11.10*	
32 17 23 13-0018	SF	Letter/Number, Epoxy Reflective Pavement Marking	6.24	
		For 20 Mil Thickness, Add	*0.68*	
32 17 23 13-0019	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	7.94	

32 17 23 13-0020 Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0001)*
Note: 15 mil thickness.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0021	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
		For Broken Line (25% Solid), Deduct	*-0.04*	
32 17 23 13-0022	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.29	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line (25% Solid), Deduct	*-0.05*	
32 17 23 13-0023	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.37	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.06*	
		For Broken Line (25% Solid), Deduct	*-0.07*	
32 17 23 13-0024	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line (25% Solid), Deduct	*-0.11*	
32 17 23 13-0025	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.32	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.07*	
32 17 23 13-0026	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.11*	
32 17 23 13-0027	SF	Solid Area, Painted Reflective Pavement Striping Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.01	
32 17 23 13-0028	EA	6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	3.60	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0029	EA	12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	6.00	
		For <10, Add	*0.75*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0030	EA	24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	10.07	
		For <10, Add	*1.25*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.67*	
32 17 23 13-0031	EA	36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	19.72	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 200, Deduct	*-1.67*	
		For >200, Deduct	*-3.34*	
32 17 23 13-0032	EA	48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	22.65	
		For <10, Add	*2.81*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.88*	
		For >200, Deduct	*-3.75*	
32 17 23 13-0033	EA	72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	40.47	
		For <10, Add	*5.00*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.67*	
32 17 23 13-0034	EA	96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	54.16	
		For <10, Add	*6.72*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-4.48*	
		For >200, Deduct	*-8.96*	
32 17 23 13-0035	EA	120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	76.42	
		For <10, Add	*8.33*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 200, Deduct	*-5.55*	
		For >200, Deduct	*-11.10*	
32 17 23 13-0036	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	5.71	
32 17 23 13-0037	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	6.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0038		**Pavement Marking (CALTRANS)** *(32 17 23 13)* Note: Per LF of detail.		
32 17 23 13-0039	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0040	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.26	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0041	LF	CALTRANS Detail 4 Centerline	0.48	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0042	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0043	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.27	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0044	LF	CALTRANS Detail 7 Centerline	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0045	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0046	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.26	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0047	LF	CALTRANS Detail 10 Lanelines	0.48	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0048	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0049	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.26	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0050	LF	CALTRANS Detail 13 Lanelines	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0051	LF	CALTRANS Detail 14 Lanelines	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0052	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.26	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0053	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0054	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.55	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0055	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	1.38	
		For Up To 1 Mile, Add	*0.28*	
		For >5 Miles, Deduct	*-0.21*	
32 17 23 13-0056	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0057	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.47	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0058	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	1.17	
		For Up To 1 Mile, Add	*0.23*	
		For >5 Miles, Deduct	*-0.18*	
32 17 23 13-0059	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.04*	
		For Double Broken Line, Deduct	*-0.08*	
32 17 23 13-0060	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.59	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
32 17 23 13-0061	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	1.65	
		For Up To 1 Mile, Add	*0.33*	
		For >5 Miles, Deduct	*-0.25*	
32 17 23 13-0062	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0063	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.30	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0064	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.38	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
32 17 23 13-0065	LF	CALTRANS Detail 26 Left Edgelines	0.08	
		For Up To 1 Mile, Add	*0.02*	
		For >5 Miles, Deduct	*-0.01*	
32 17 23 13-0066	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.36	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0067	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0068	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0069	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.58	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.08*	
		For Double Broken Line, Deduct	*-0.17*	
32 17 23 13-0070	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	0.89	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.13*	
32 17 23 13-0071	LF	CALTRANS Detail 30 Median Islands	3.30	
		For Up To 1 Mile, Add	*0.66*	
		For >5 Miles, Deduct	*-0.50*	
32 17 23 13-0072	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.11*	
32 17 23 13-0073	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.89	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.13*	
32 17 23 13-0074	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	2.26	
		For Up To 1 Mile, Add	*0.45*	
		For >5 Miles, Deduct	*-0.34*	
32 17 23 13-0075	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.47	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0076	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0077	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.56	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0078	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0079	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.05	
		For Up To 1 Mile, Add	*0.21*	
		For >5 Miles, Deduct	*-0.16*	
32 17 23 13-0080	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	0.70	
		For Up To 1 Mile, Add	*0.14*	
		For >5 Miles, Deduct	*-0.11*	
32 17 23 13-0081	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.75	
		For Up To 1 Mile, Add	*0.15*	
		For >5 Miles, Deduct	*-0.11*	
32 17 23 13-0082	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	0.65	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0083	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	1.10	
		For Up To 1 Mile, Add	*0.22*	
		For >5 Miles, Deduct	*-0.17*	
32 17 23 13-0084	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.65	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0085	LF	CALTRANS Detail 37C Lane Drop At Intersections	1.10	
		For Up To 1 Mile, Add	*0.22*	
		For >5 Miles, Deduct	*-0.17*	
32 17 23 13-0086	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.64	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0087	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.48	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0088	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.79	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0089	LF	CALTRANS Detail 38C Channelizing Line	1.65	
		For Up To 1 Mile, Add	*0.33*	
		For >5 Miles, Deduct	*-0.25*	
32 17 23 13-0090	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.29	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0091	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0092	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0093	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	0.80	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0094	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0095	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	0.80	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0096	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	90.94	
		For <10, Add	*12.17*	
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 200, Deduct	*-8.11*	
		For >200, Deduct	*-16.23*	
32 17 23 13-0097	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	159.49	
		For <10, Add	*21.30*	
		For >50 To 100, Deduct	*-10.65*	
		For >100 To 200, Deduct	*-14.20*	
		For >200, Deduct	*-28.40*	
32 17 23 13-0098	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	200.20	
		For <10, Add	*26.78*	
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 200, Deduct	*-17.85*	
		For >200, Deduct	*-35.70*	
32 17 23 13-0099	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	291.14	
		For <10, Add	*38.95*	
		For >50 To 100, Deduct	*-19.47*	
		For >100 To 200, Deduct	*-25.97*	
		For >200, Deduct	*-51.93*	
32 17 23 13-0100	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	382.07	
		For <10, Add	*51.12*	
		For >50 To 100, Deduct	*-25.56*	
		For >100 To 200, Deduct	*-34.08*	
		For >200, Deduct	*-68.16*	
32 17 23 13-0101	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	268.74	
		For <10, Add	*35.90*	
		For >50 To 100, Deduct	*-17.95*	
		For >100 To 200, Deduct	*-23.94*	
		For >200, Deduct	*-47.87*	
32 17 23 13-0102	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	468.94	
		For <10, Add	*62.68*	
		For >50 To 100, Deduct	*-31.34*	
		For >100 To 200, Deduct	*-41.79*	
		For >200, Deduct	*-83.57*	
32 17 23 13-0103	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	95.69	
		For <10, Add	*12.78*	
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 200, Deduct	*-8.52*	
		For >200, Deduct	*-17.04*	
32 17 23 13-0104	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	209.72	
		For <10, Add	*27.99*	
		For >50 To 100, Deduct	*-14.00*	
		For >100 To 200, Deduct	*-18.66*	
		For >200, Deduct	*-37.33*	
32 17 23 13-0105	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	268.74	
		For <10, Add	*35.90*	
		For >50 To 100, Deduct	*-17.95*	
		For >100 To 200, Deduct	*-23.94*	
		For >200, Deduct	*-47.87*	
32 17 23 13-0106	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	173.17	
		For <10, Add	*23.12*	
		For >50 To 100, Deduct	*-11.56*	
		For >100 To 200, Deduct	*-15.42*	
		For >200, Deduct	*-30.83*	
32 17 23 13-0107	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	228.05	
		For <10, Add	*30.43*	
		For >50 To 100, Deduct	*-15.21*	
		For >100 To 200, Deduct	*-20.29*	
		For >200, Deduct	*-40.57*	
32 17 23 13-0108	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	45.47	
		For <10, Add	*6.09*	
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.06*	
		For >200, Deduct	*-8.11*	
32 17 23 13-0109	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	434.39	
		For <10, Add	*57.81*	
		For >50 To 100, Deduct	*-28.91*	
		For >100 To 200, Deduct	*-38.54*	
		For >200, Deduct	*-77.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0110	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	5.65	
32 17 23 13-0111	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	41.07	
		For <10, Add	*4.38*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 200, Deduct	*-2.92*	
		For >200, Deduct	*-5.84*	
32 17 23 13-0112	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	43.50	
		For <10, Add	*4.62*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.08*	
		For >200, Deduct	*-6.17*	
32 17 23 13-0113	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	72.61	
		For <10, Add	*9.74*	
		For >50 To 100, Deduct	*-4.87*	
		For >100 To 200, Deduct	*-6.49*	
		For >200, Deduct	*-12.98*	
32 17 23 13-0114	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	147.53	
		For <10, Add	*19.72*	
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 200, Deduct	*-13.14*	
		For >200, Deduct	*-26.29*	
32 17 23 13-0115	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	32.18	
		For <10, Add	*4.62*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.08*	
		For >200, Deduct	*-6.17*	
32 17 23 13-0116	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	5.73	
32 17 23 13-0117	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	6.38	

32 17 23 13-0118 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

32 17 23 13-0119 Painted Pavement Marking For Parking Areas *(32 17 23 13-0118)*

32 17 23 13-0120	LF	Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.88	
32 17 23 13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.96	
32 17 23 13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.03	
32 17 23 13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.14	
32 17 23 13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.02	
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.50	
		For Up To 10, Add	*0.49*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 200, Deduct	*-0.32*	
		For >200, Deduct	*-0.65*	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	5.81	
		For Up To 10, Add	*0.73*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 200, Deduct	*-0.49*	
		For >200, Deduct	*-0.97*	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	9.77	
		For Up To 10, Add	*1.22*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 200, Deduct	*-0.81*	
		For >200, Deduct	*-1.62*	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	18.31	
		For Up To 10, Add	*2.31*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.54*	
		For >200, Deduct	*-3.08*	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	24.43	
		For Up To 10, Add	*3.16*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 200, Deduct	*-2.11*	
		For >200, Deduct	*-4.22*	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	29.73	
		For Up To 10, Add	*3.89*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-5.19*	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	39.34	
		For Up To 10, Add	*4.87*	
		For >50 To 100, Deduct	*-2.43*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-6.49*	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	67.64	
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	76.13	
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	105.32	
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	107.28	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	137.63	
32 17 23 13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	28.59	
		For Blue Background With White Symbol, Add	*19.69*	
		For Blue Background With White Symbol And Border, Add	*24.61*	
32 17 23 13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	40.35	
		For Blue Background With White Symbol, Add	*38.65*	
		For Blue Background With White Symbol And Border, Add	*48.32*	

32 17 23 13-0139 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0140	LF	Reflective Painted Curb	2.17	
32 17 23 13-0141	LF	Reflective Painted Curb And Gutter	3.93	
32 17 23 13-0142	LF	Painted Curb	1.75	
32 17 23 13-0143	LF	Painted Curb And Gutter	3.47	

32 17 23 13-0144 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0145	LF	2" Wide Marking For Outdoor Play Areas	0.70	
32 17 23 13-0146	LF	3" Wide Marking For Outdoor Play Areas	0.80	
32 17 23 13-0147	LF	4" Wide Marking For Outdoor Play Areas	0.90	
32 17 23 13-0148	LF	6" Wide Marking For Outdoor Play Areas	1.06	
32 17 23 13-0149	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	273.24	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	3.59	2.06
		For >100, Deduct	*-0.36*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	3.76	2.06
		For >100, Deduct	*-0.38*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	4.44	2.06
		For >100, Deduct	*-0.44*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	3.36	2.06
		For >100, Deduct	*-0.34*	

32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	50.36	23.65
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	50.52	23.65
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	14.07	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	18.18	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

32 17 23 33-0003	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping	0.89	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.13*	
		For 60 mils Thick, Deduct	*-0.12*	
		For 125 mils Thick, Add	*0.15*	
		For Broken Line (25% Solid), Deduct	*-0.50*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.27	
		For Up To 1 Mile, Add	*0.25*	
		For >5 Miles, Deduct	*-0.19*	
		For 60 mils Thick, Deduct	*-0.17*	
		For 125 mils Thick, Add	*0.22*	
		For Broken Line (25% Solid), Deduct	*-0.74*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.68	
		For Up To 1 Mile, Add	*0.34*	
		For >5 Miles, Deduct	*-0.25*	
		For 60 mils Thick, Deduct	*-0.23*	
		For 125 mils Thick, Add	*0.30*	
		For Broken Line (25% Solid), Deduct	*-0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.45	
		For Up To 1 Mile, Add	*0.49*	
		For >5 Miles, Deduct	*-0.37*	
		For 60 mils Thick, Deduct	*-0.35*	
		For 125 mils Thick, Add	*0.45*	
		For Broken Line (25% Solid), Deduct	*-1.49*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.68	
		For Up To 1 Mile, Add	*0.34*	
		For >5 Miles, Deduct	*-0.25*	
		For 60 mils Thick, Deduct	*-0.23*	
		For 125 mils Thick, Add	*0.30*	
		For Broken Line On One Side, Deduct	*-0.50*	
		For Double Broken Line, Deduct	*-0.99*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.45	
		For Up To 1 Mile, Add	*0.49*	
		For >5 Miles, Deduct	*-0.37*	
		For 60 mils Thick, Deduct	*-0.35*	
		For 125 mils Thick, Add	*0.45*	
		For Broken Line On One Side, Deduct	*-0.74*	
		For Double Broken Line, Deduct	*-1.49*	
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking	6.84	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
		For 60 mils Thick, Deduct	*-0.34*	
		For 125 mils Thick, Add	*0.44*	
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.65	
		For Up To 10, Add	*0.55*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 200, Deduct	*-0.37*	
		For >200, Deduct	*-0.73*	
		For 60 mils Thick, Deduct	*-0.18*	
		For 125 mils Thick, Add	*0.23*	
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	9.14	
		For Up To 10, Add	*0.83*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 200, Deduct	*-0.55*	
		For >200, Deduct	*-1.10*	
		For 60 mils Thick, Deduct	*-0.63*	
		For 125 mils Thick, Add	*0.81*	
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	15.51	
		For Up To 10, Add	*1.38*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.92*	
		For >200, Deduct	*-1.83*	
		For 60 mils Thick, Deduct	*-1.11*	
		For 125 mils Thick, Add	*1.43*	
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	29.56	
		For Up To 10, Add	*2.76*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.84*	
		For >200, Deduct	*-3.68*	
		For 60 mils Thick, Deduct	*-1.95*	
		For 125 mils Thick, Add	*2.51*	
32 17 23 33-0014	EA	48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	35.10	
		For Up To 10, Add	*3.09*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 200, Deduct	*-2.06*	
		For >200, Deduct	*-4.12*	
		For 60 mils Thick, Deduct	*-2.54*	
		For 125 mils Thick, Add	*3.26*	
32 17 23 33-0015	EA	72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	63.15	
		For Up To 10, Add	*5.50*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 200, Deduct	*-3.67*	
		For >200, Deduct	*-7.34*	
		For 60 mils Thick, Deduct	*-4.63*	
		For 125 mils Thick, Add	*5.96*	
32 17 23 33-0016	EA	96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	84.08	
		For Up To 10, Add	*7.39*	
		For >50 To 100, Deduct	*-3.69*	
		For >100 To 200, Deduct	*-4.93*	
		For >200, Deduct	*-9.85*	
		For 60 mils Thick, Deduct	*-6.10*	
		For 125 mils Thick, Add	*7.84*	
32 17 23 33-0017	EA	120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	138.76	
		For Up To 10, Add	*9.15*	
		For >50 To 100, Deduct	*-4.58*	
		For >100 To 200, Deduct	*-6.10*	
		For >200, Deduct	*-12.20*	
		For 60 mils Thick, Deduct	*-13.60*	
		For 125 mils Thick, Add	*17.49*	
32 17 23 33-0018	SF	Letter/Number, Thermoplastic Reflective Pavement Marking	8.03	
		For 60 mils Thick, Deduct	*-0.44*	
		For 125 mils Thick, Add	*0.56*	
32 17 23 33-0019	SY	Cross Hatch, Thermoplastic Reflective Pavement Marking	54.26	
		For 60 mils Thick, Deduct	*-3.11*	
		For 125 mils Thick, Add	*3.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0020	EA	Handicap Symbol, Thermoplastic Reflective Pavement Marking	212.58	
		For 60 mils Thick, Deduct	*-10.09*	
		For 125 mils Thick, Add	*12.98*	
32 17 23 33-0021	SY	Solid Area, Thermoplastic Reflective Pavement Marking	67.08	
		For 60 mils Thick, Deduct	*-3.11*	
		For 125 mils Thick, Add	*3.99*	
32 17 23 33-0022	EA	Railroad Symbol, Thermoplastic Reflective Pavement Marking	629.94	
		For 60 mils Thick, Deduct	*-30.72*	
		For 125 mils Thick, Add	*39.50*	
32 17 23 33-0023	EA	Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	111.91	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	*-13.91*	
		For 125 mils Thick, Add	*17.88*	
32 17 23 33-0024	EA	Diamond Symbol, Thermoplastic Reflective Pavement Marking	101.67	
		For 60 mils Thick, Deduct	*-4.83*	
		For 125 mils Thick, Add	*6.21*	
32 17 23 33-0025	SF	Symbols, Thermoplastic Reflective Pavement Marking	9.24	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 60 mils Thick, Deduct	*-0.44*	
		For 125 mils Thick, Add	*0.56*	
32 17 23 33-0026	EA	10' Arrow, Type I, Thermoplastic Reflective Pavement Marking	129.39	
		For 60 mils Thick, Deduct	*-6.14*	
		For 125 mils Thick, Add	*7.90*	
32 17 23 33-0027	EA	18' Arrow, Type I, Thermoplastic Reflective Pavement Marking	231.06	
		For 60 mils Thick, Deduct	*-10.97*	
		For 125 mils Thick, Add	*14.11*	
32 17 23 33-0028	EA	24' Arrow, Type I, Thermoplastic Reflective Pavement Marking	286.52	
		For 60 mils Thick, Deduct	*-13.60*	
		For 125 mils Thick, Add	*17.49*	
32 17 23 33-0029	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking	415.91	
		For 60 mils Thick, Deduct	*-19.75*	
		For 125 mils Thick, Add	*25.39*	
32 17 23 33-0030	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking	545.31	
		For 60 mils Thick, Deduct	*-25.89*	
		For 125 mils Thick, Add	*33.29*	
32 17 23 33-0031	EA	24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking	388.19	
		For 60 mils Thick, Deduct	*-18.43*	
		For 125 mils Thick, Add	*23.70*	
32 17 23 33-0032	EA	24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking	674.70	
		For 60 mils Thick, Deduct	*-32.04*	
		For 125 mils Thick, Add	*41.19*	
32 17 23 33-0033	EA	8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking	138.64	
		For 60 mils Thick, Deduct	*-6.58*	
		For 125 mils Thick, Add	*8.46*	
32 17 23 33-0034	EA	24' Arrow, Type V, Thermoplastic Reflective Pavement Marking	305.00	
		For 60 mils Thick, Deduct	*-14.48*	
		For 125 mils Thick, Add	*18.62*	
32 17 23 33-0035	EA	18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking	388.19	
		For 60 mils Thick, Deduct	*-18.43*	
		For 125 mils Thick, Add	*23.70*	
32 17 23 33-0036	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking	249.55	
		For 60 mils Thick, Deduct	*-11.85*	
		For 125 mils Thick, Add	*15.23*	
32 17 23 33-0037	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking	332.72	
		For 60 mils Thick, Deduct	*-15.80*	
		For 125 mils Thick, Add	*20.31*	
32 17 23 33-0038	EA	5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking	64.70	
		For 60 mils Thick, Deduct	*-3.07*	
		For 125 mils Thick, Add	*3.95*	

32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0040	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.37	
		For 60 mils Thick, Deduct	*-0.12*	
		For 125 mils Thick, Add	*0.15*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.94	
		For 60 mils Thick, Deduct	*-0.17*	
		For 125 mils Thick, Add	*0.22*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.60	
		For 60 mils Thick, Deduct	*-0.23*	
		For 125 mils Thick, Add	*0.30*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.13	
		For 60 mils Thick, Deduct	*-0.35*	
		For 125 mils Thick, Add	*0.45*	
32 17 23 33-0044	LF	Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	9.09	
		For 60 mils Thick, Deduct	*-0.69*	
		For 125 mils Thick, Add	*0.89*	

32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0046	LF	Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	1.86	
		For Up To 1 Mile, Add	*0.37*	
		For >5 Miles, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0047	LF	Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	2.74	
		For Up To 1 Mile, Add	*0.55*	
		For >5 Miles, Deduct	*-0.41*	
32 17 23 33-0048	LF	Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	3.64	
		For Up To 1 Mile, Add	*0.73*	
		For >5 Miles, Deduct	*-0.55*	
32 17 23 33-0049	LF	Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.39	
		For Up To 1 Mile, Add	*1.08*	
		For >5 Miles, Deduct	*-0.81*	
32 17 23 33-0050	SF	Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	16.15	
32 17 23 33-0051	EA	6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	23.81	
		For <10, Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.33*	
32 17 23 33-0052	EA	12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	41.11	
		For <10, Add	*1.27*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.69*	
32 17 23 33-0053	EA	24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	71.26	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 200, Deduct	*-1.67*	
		For >200, Deduct	*-3.34*	
32 17 23 33-0054	EA	36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	105.52	
		For <10, Add	*5.01*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.69*	
32 17 23 33-0055	EA	48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	123.20	
		For <10, Add	*5.62*	
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-7.50*	
32 17 23 33-0056	EA	72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	163.04	
		For <10, Add	*10.01*	
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-6.67*	
		For >200, Deduct	*-13.34*	
32 17 23 33-0057	EA	96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	209.18	
		For <10, Add	*13.44*	
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 200, Deduct	*-8.96*	
		For >200, Deduct	*-17.92*	
32 17 23 33-0058	EA	120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	261.82	
		For <10, Add	*16.65*	
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 200, Deduct	*-11.10*	
		For >200, Deduct	*-22.20*	
32 17 23 33-0059	SF	Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	16.80	
32 17 23 33-0060	SF	Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	18.01	

32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0062	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	117.74
32 17 23 33-0063	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	308.86
32 17 23 33-0064	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	77.19
32 17 23 33-0065	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	71.89
32 17 23 33-0066	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	113.85
32 17 23 33-0067	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	78.22
32 17 23 33-0068	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	123.23
32 17 23 33-0069	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	190.72
32 17 23 33-0070	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	271.49
32 17 23 33-0071	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	121.81
32 17 23 33-0072	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	131.19
32 17 23 33-0073	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	213.68
32 17 23 33-0074	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	199.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0075	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	202.08	
		Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0076	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	257.93	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0077		Pavement Marking (Monterey County) *(32 17 23 33-0001)*		
32 17 23 33-0078	SF	Thermoplastic Pavement Marking (Monterey County)	7.00	
32 17 23 33-0079		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0080		Thermoplastic Pavement Marking Tape For Parking Areas *(32 17 23 33-0079)*		
		Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	46.91	
		Note: White or blue symbol. Excludes striping.		
32 17 23 33-0082	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	137.96	
32 17 23 33-0083	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	85.80	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0084	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	100.62	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0085	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	105.05	
32 17 26		**Tactile Warning Surfaces** *(32 17)*		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*		
		Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface	55.86	7.87
		Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF	Cast In Place VPC Truncated Dome Detectable Warning Surface	45.62	7.87
		Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004	EA	30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset	256.36	
32 17 26 00-0005	LF	24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete	60.62	15.73
32 17 26 00-0006		Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)*		
		Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)	50.29	7.87
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 17 26 00-0008	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)	43.20	7.87
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		

32 18 Athletic And Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001		Tile Playground Surface Material *(32 18 16 13)*		
		Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile	12.58	1.86
		For Manufacturer's Standard Colors, Add	*0.63*	
		For Interlocking Tiles, Add	*1.40*	
		For Mechanically Fastened, Add	*1.52*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile	12.93	1.98
		For Manufacturer's Standard Colors, Add	*0.63*	
		For Interlocking Tiles, Add	*1.40*	
		For Mechanically Fastened, Add	*1.59*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile	13.62	2.20
		For Manufacturer's Standard Colors, Add	*0.63*	
		For Interlocking Tiles, Add	*1.40*	
		For Mechanically Fastened, Add	*1.72*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile	14.32	2.44
		For Manufacturer's Standard Colors, Add	*0.63*	
		For Interlocking Tiles, Add	*1.40*	
		For Mechanically Fastened, Add	*1.86*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile	15.92	2.67
		For Manufacturer's Standard Colors, Add	*0.47*	
		For Interlocking Tiles, Add	*1.58*	
		For Mechanically Fastened, Add	*2.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile	16.68	2.92
		For Manufacturer's Standard Colors, Add	*0.47*	
		For Interlocking Tiles, Add	*1.58*	
		For Mechanically Fastened, Add	*2.16*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile	17.49	3.19
		For Manufacturer's Standard Colors, Add	*0.47*	
		For Interlocking Tiles, Add	*1.58*	
		For Mechanically Fastened, Add	*2.32*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile	19.14	3.42
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.76*	
		For Mechanically Fastened, Add	*2.46*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile	19.84	3.70
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.76*	
		For Mechanically Fastened, Add	*2.60*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile	20.60	3.90
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.76*	
		For Mechanically Fastened, Add	*2.76*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile	23.59	4.40
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*2.07*	
		For Mechanically Fastened, Add	*3.05*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Surface	1.19	0.28
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Surface	1.55	0.35
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Surface	1.95	0.42
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Surface	2.78	0.63
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Surface	2.13	0.28
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Surface	2.63	0.35
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Surface	4.07	0.42
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Surface	5.07	0.63
32 18 16 13-0022	SF	8" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	9.46	1.05
32 18 16 13-0023	SF	12" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	11.99	1.39

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	11.09	2.08
		For Up To 2,000, Add	*2.65*	
		For >2,000 To 3,000, Add	*1.86*	
		For >3,000 To 4,000, Add	*1.26*	
		For >4,000 To 5,000, Add	*0.80*	
		For >5,000 To 7,000, Add	*0.33*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0026	SF	5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	11.43	2.30
		For Up To 2,000, Add	*2.73*	
		For >2,000 To 3,000, Add	*1.91*	
		For >3,000 To 4,000, Add	*1.30*	
		For >4,000 To 5,000, Add	*0.82*	
		For >5,000 To 7,000, Add	*0.34*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0027	SF	6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	12.34	2.63
		For Up To 2,000, Add	*2.95*	
		For >2,000 To 3,000, Add	*2.07*	
		For >3,000 To 4,000, Add	*1.40*	
		For >4,000 To 5,000, Add	*0.89*	
		For >5,000 To 7,000, Add	*0.37*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0028	SF	7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	13.33	2.80
		For Up To 2,000, Add	*3.19*	
		For >2,000 To 3,000, Add	*2.23*	
		For >3,000 To 4,000, Add	*1.51*	
		For >4,000 To 5,000, Add	*0.96*	
		For >5,000 To 7,000, Add	*0.40*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0029	SF	8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.32	2.94
		For Up To 2,000, Add	*3.43*	
		For >2,000 To 3,000, Add	*2.40*	
		For >3,000 To 4,000, Add	*1.62*	
		For >4,000 To 5,000, Add	*1.03*	
		For >5,000 To 7,000, Add	*0.42*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0030	SF	9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	15.16	3.11
		For Up To 2,000, Add	*3.63*	
		For >2,000 To 3,000, Add	*2.54*	
		For >3,000 To 4,000, Add	*1.72*	
		For >4,000 To 5,000, Add	*1.09*	
		For >5,000 To 7,000, Add	*0.45*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0031	SF	10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	16.15	3.28
		For Up To 2,000, Add	*3.86*	
		For >2,000 To 3,000, Add	*2.71*	
		For >3,000 To 4,000, Add	*1.83*	
		For >4,000 To 5,000, Add	*1.17*	
		For >5,000 To 7,000, Add	*0.48*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0032	SF	12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	18.11	3.68
		For Up To 2,000, Add	*4.33*	
		For >2,000 To 3,000, Add	*3.03*	
		For >3,000 To 4,000, Add	*2.05*	
		For >4,000 To 5,000, Add	*1.31*	
		For >5,000 To 7,000, Add	*0.54*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0033	SF	Top Only (1/2") Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	7.25	
		For Up To 2,000, Add	*2.66*	
		For >2,000 To 3,000, Add	*1.71*	
		For >3,000 To 4,000, Add	*1.03*	
		For >4,000 To 5,000, Add	*0.62*	
		For >5,000 To 7,000, Add	*0.28*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.19*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.29*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,042.06	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 13 Baseball Field Surfacing *(32 18 23)*

32 18 23 13-0001 Clay Infield Maintenance *(32 18 23 13)*

32 18 23 13-0002	MSF	Playing Field Maintenance (Clay - Nail Drag)	9.03
32 18 23 13-0003	MSF	Playing Field Maintenance (Clay - Screen Drag)	9.03
32 18 23 13-0004	CY	Playing Field Maintenance Of Clay	69.05

32 18 23 23 Field Sport Surfacing *(32 18 23)*

32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

32 18 23 23-0002	ACR	Turf Aeration (Minimum 6" Penetration)	121.45
32 18 23 23-0003	MSF	Top Dressing 1/8" - 1/4" Sand	11.40

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Turf *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.98	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	14,058.73	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	11,459.19	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	3,448.37	
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	1,273.24	
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per endzone.	1,220.19	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	10,610.36	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	15,385.02	
32 18 23 29-0013		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*		
32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.53	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	14,324.07	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,883.67	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	3,713.65	
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	1,379.36	
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per endzone.	1,273.25	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	11,140.94	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	16,154.37	
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.65	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,589.33	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,838.61	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	3,978.91	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	1,485.46	
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per endzone.	1,326.30	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	11,671.47	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	16,923.63	
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.40	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,119.76	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,127.75	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	4,509.40	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	1,697.66	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per endzone.	1,432.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	12,732.43	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	18,462.03	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.64	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	15,385.02	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,931.51	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	4,774.66	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	1,803.76	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per endzone.	1,485.45	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	13,262.95	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	19,231.28	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.65	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	15,650.28	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	18,037.61	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	5,039.92	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	1,909.86	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	1,538.50	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	13,793.47	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	20,000.53	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	5.79	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	15,915.54	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	19,204.75	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	5,305.18	
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	2,122.07	
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	1,591.55	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	14,323.99	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	20,769.78	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	4.29	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	13,528.29	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	9,973.80	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	2,917.87	
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	1,061.04	
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,114.09	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	9,549.38	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	13,846.60	

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	3.81	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	13,793.47	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	10,610.36	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	3,183.11	
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	1,167.14	
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	1,167.14	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	10,079.84	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	14,615.77	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	8.93	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	7.84	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	26,177.60	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	31,099.89	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	7,607.17	
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	2,908.62	
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	2,158.98	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	19,430.80	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	28,526.88	

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	5.69	
		For >35,000, Deduct	*-0.53*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	5.64	
		For >35,000, Deduct	*-0.52*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	5.87	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	36,188.01	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	15,681.47	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	15,681.47	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	15,681.47	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	15,681.47	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	1,809.40	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	4.42	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.26	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	0.64	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	1.05	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	1,206.27	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	12,062.67	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.40	
		For >10,000 To 30,000, Deduct	*-0.16*	
		For >30,000 To 60,000, Deduct	*-0.28*	
		For >60,000, Deduct	*-0.31*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.70	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	3.00	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on roof tops.	2.46	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.51	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,404.00	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf. Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	6.61	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	2.64	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.86	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	30.19	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	15.92	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) *(32 18 23 39)*

Note: Excludes asphalt base. Includes striping.

32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	37.83	5.15
		For >5,500, Deduct	*-4.16*	
		For Up To 4,000, Add	*13.24*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	50.77	5.15
		For >5,500, Deduct	*-5.58*	
		For Up To 4,000, Add	*17.77*	
		For Custom Color Upgrade, Add	*4.82*	
		For Aliphatic Top Coating, Add	*9.14*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	85.32	5.15
		For >5,500, Deduct	*-5.12*	
		For Up To 4,000, Add	*29.86*	
		For Custom Color Upgrade, Add	*6.57*	
		For Aliphatic Top Coating, Add	*12.20*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000)	110.21	5.15
		For >5,500, Deduct	*-6.61*	
		For Up To 4,000, Add	*38.57*	
		For Custom Color Upgrade, Add	*8.60*	
		For Aliphatic Top Coating, Add	*12.56*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	34.46	
		For >5,500, Deduct	*-3.79*	
		For Up To 4,000, Add	*12.06*	
32 18 23 39-0007	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator)	38.79	
		For >5,500, Deduct	*-5.62*	
		For Up To 4,000, Add	*13.58*	
32 18 23 39-0008	SY	Spray Retop XPLODE™ M100/MS200 Running Tracks	34.07	
		For Up To 4,000, Add	*11.92*	
		For >5,500, Deduct	*-3.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0009	SY	Sandwich Retop XPLODE™ MSX500 Running Tracks	65.95	
		For Up To 4,000, Add	*23.08*	
		For >5,500, Deduct	*-6.95*	
32 18 23 39-0010	SY	Retop XPLODE™ Plexitrac® Lightning Running Tracks Note: Two layers.	19.18	
		For Up To 4,000, Add	*6.71*	
		For >5,500, Deduct	*-3.17*	
32 18 23 39-0011	SY	Retop XPLODE™ Plexitrac® Accelerator Running Tracks Note: Two layers.	23.35	
		For Up To 4,000, Add	*8.17*	
		For >5,500, Deduct	*-3.17*	
32 18 23 39-0012	EA	Restripe XPLODE™ Running Track Note: Includes two coats of acrylic resurfacer and two coats of color.	7,928.94	
		For College Track Restriping, Add	*1,441.62*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	35.31	

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	423.68	

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	50.57	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	56.38	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	17.47	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	14.12	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	11.84	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	6.59	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.19	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.65	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	1.66	
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	66.96	

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.37	
		For Pacific Blue, Add	*0.13*	
		For US Open Blue, Add	*0.45*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.94	
		For Pacific Blue, Add	*0.09*	
		For US Open Blue, Add	*0.32*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	1.70	
		For Pacific Blue, Add	*0.07*	
		For US Open Blue, Add	*0.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat	1.79	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	*0.04*	
		For US Open Or Australian Open Blue, Add	*0.29*	
		For Pro Purple, Add	*0.75*	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®)	1.15	
		Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	3.86	
		Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	5.26	
		Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	4.53	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	3.40	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	2.60	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements *(32)*

32 31 Fences And Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)*		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Swing Gate Actuator *(32 31 11 00-0001)*		
32 31 11 00-0003		Single Gate, Swing Gate Actuator *(32 31 11 00-0002)*		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,015.20	170.09
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,307.70	170.09
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006		Dual Gate, Swing Gate Actuator *(32 31 11 00-0002)*		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,030.40	340.20
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,615.40	340.20
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009		Swing Gate Operators *(32 31 11 00-0001)*		
32 31 11 00-0010		Single Gate, Swing Gate Operators *(32 31 11 00-0009)*		
32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	1,930.20	170.09
		Note: Includes one primary operator with a 10' wide and 400# gate capacity.		
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	2,087.70	170.09
		Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	2,785.20	170.09
		Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	3,137.70	170.09
		Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015		Dual Gate, Swing Gate Operators *(32 31 11 00-0009)*		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	3,447.90	340.20
		Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	3,762.90	340.20
		Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,150.40	340.20
		Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,922.90	340.20
		Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0020 Sliding Gate Operators *(32 31 11 00-0001)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.

32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,577.70	170.09
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,208.24	204.12
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	2,733.24	204.12
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	3,570.02	238.14
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	4,380.02	238.14
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	5,978.07	272.16
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	9,994.32	272.16
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	16,947.36	306.18
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

32 31 11 00-0029 Accessories For Gate Actuators And Operators *(32 31 11 00-0001)*

32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	387.76
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	759.77
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	436.08
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	496.62
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	451.62
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	342.87
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators	5.56
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators	4.43
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators	6.18
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators	5.87

32 31 13 Chain Link Fences And Gates *(32 31)*

32 31 13 13 Chain Link Fences And Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0070 for core drilling in concrete, 02 41 19 13-0208 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.24
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.14
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.65
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.86
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.85
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.03
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.47
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.29
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	18.62
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.71
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.06
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	32.57

32 31 13 13-0015 Post Hole In Rock *(32 31 13 13-0001)*

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	55.30
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	16.00

32 31 13 13-0018 Fill For Post Holes *(32 31 13 13-0001)*

See CSI section 03 21 00 00-0000 for reinforcing steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	4.07	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	5.23	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	5.70	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	6.43	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	9.00	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	12.00	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	14.64	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	17.00	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	22.79	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	27.90	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	32.85	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	37.95	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	4.92	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	6.36	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	6.87	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	7.60	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	10.51	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	14.03	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	17.05	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	19.71	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	25.96	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	31.29	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	36.43	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	41.62	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.78	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	4.93	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	5.16	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	5.31	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	7.08	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	9.45	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	11.33	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	12.85	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	15.67	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	17.57	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	19.28	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	20.79	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
		Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	9.64	2.45
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	8.95	2.08
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	8.09	1.73
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	7.41	1.36
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	6.96	1.18
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	6.24	0.81
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	7.16	2.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0069	LF	1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.45	1.90
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.64*	
32 31 13 13-0070	LF	1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.68	1.54
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.56*	
32 31 13 13-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.07	1.18
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.50*	
32 31 13 13-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.66	1.00
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.46*	
32 31 13 13-0073	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	4.22	0.81
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.42*	

32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	7.89	2.36
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*2.01*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	7.26	2.00
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.94*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.44	1.63
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.79	1.27
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.80*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	5.36	1.09
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.75*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	4.96	0.91
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.71*	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	9.21	2.54
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.54*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	8.52	2.18
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.47*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	7.66	1.73
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.38*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	6.98	1.36
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.32*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	6.53	1.18
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	6.10	0.91
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.23*	
32 31 13 13-0088		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*		
		Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	11.80	2.72
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.60*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	11.05	2.36
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.52*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	10.14	1.90
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.43*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	9.39	1.54
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.36*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.88	1.27
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.30*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	8.40	1.00
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.26*	
32 31 13 13-0095		Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) *(32 31 13 13-0059)*		
		Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.07	2.90
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.54*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.12	2.36
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.44*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.32	2.00
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.36*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.53	1.63
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.28*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.52	1.63
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.28*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	12.61	1.18
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.19*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	28.28	3.17
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*11.16*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	27.26	2.63
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*11.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	26.35	2.18
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.96*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	25.46	1.73
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.88*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	24.95	1.54
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.82*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	24.44	1.27
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.77*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	51.99	3.54
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*22.27*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	50.84	3.00
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*22.15*	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	49.83	2.45
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*22.05*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	48.81	1.90
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	48.29	1.63
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.90*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	47.72	1.36
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.84*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	46.36
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" Round Chain Link Fence Post Note: OZ-Post HB-700.	46.36
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" Round Chain Link Fence Post Note: OZ-Post IS-600.	47.18
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" Round Chain Link Fence Post Note: OZ-Post ISW-850.	57.31

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	54.84
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	53.61
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	55.09
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	57.31
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	57.31

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	50.75
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	56.07
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	58.95
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	58.96
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	64.30
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	68.08

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	50.75
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	56.07
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	58.96
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	59.61

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0140)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0657 for barb wire attachments.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0142		Galvanized *(32 31 13 13-0141)*			
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		20.86	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		*1.65*	
		For 13 Gauge Fabric, Deduct		*-3.05*	
		For 11 Gauge Fabric, Deduct		*-1.78*	
		For 6 Gauge Fabric, Add		*2.80*	
		For 1" Mesh Fabric, Add		*3.82*	
		For 1-3/4" Mesh Fabric, Add		*1.53*	
		For 2-1/8" Mesh Fabric, Deduct		*-0.76*	
		For 2-3/8" Mesh Fabric, Deduct		*-1.02*	
		For Posts 8' On Centers, Add		*1.19*	
		For Posts 5' On Centers, Add		*4.54*	
		For Up To 100, Add		*4.34*	
		For >100 To 250, Add		*1.65*	
		For >2,500 To 5,000, Deduct		*-0.82*	
		For >5,000, Deduct		*-1.65*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		21.66	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		*1.70*	
		For 13 Gauge Fabric, Deduct		*-3.26*	
		For 11 Gauge Fabric, Deduct		*-1.90*	
		For 6 Gauge Fabric, Add		*2.99*	
		For 1" Mesh Fabric, Add		*4.08*	
		For 1-3/4" Mesh Fabric, Add		*1.63*	
		For 2-1/8" Mesh Fabric, Deduct		*-0.82*	
		For 2-3/8" Mesh Fabric, Deduct		*-1.09*	
		For Posts 8' On Centers, Add		*1.23*	
		For Posts 5' On Centers, Add		*4.70*	
		For Up To 100, Add		*4.48*	
		For >100 To 250, Add		*1.70*	
		For >2,500 To 5,000, Deduct		*-0.85*	
		For >5,000, Deduct		*-1.70*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		22.32	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		*1.74*	
		For 13 Gauge Fabric, Deduct		*-3.43*	
		For 11 Gauge Fabric, Deduct		*-2.00*	
		For 6 Gauge Fabric, Add		*3.15*	
		For 1" Mesh Fabric, Add		*4.29*	
		For 1-3/4" Mesh Fabric, Add		*1.72*	
		For 2-1/8" Mesh Fabric, Deduct		*-0.86*	
		For 2-3/8" Mesh Fabric, Deduct		*-1.14*	
		For Posts 8' On Centers, Add		*1.27*	
		For Posts 5' On Centers, Add		*4.83*	
		For Up To 100, Add		*4.59*	
		For >100 To 250, Add		*1.74*	
		For >2,500 To 5,000, Deduct		*-0.87*	
		For >5,000, Deduct		*-1.74*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		23.93	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		*1.84*	
		For 13 Gauge Fabric, Deduct		*-3.84*	
		For 11 Gauge Fabric, Deduct		*-2.25*	
		For 6 Gauge Fabric, Add		*3.53*	
		For 1" Mesh Fabric, Add		*4.81*	
		For 1-3/4" Mesh Fabric, Add		*1.92*	
		For 2-1/8" Mesh Fabric, Deduct		*-0.96*	
		For 2-3/8" Mesh Fabric, Deduct		*-1.28*	
		For Posts 8' On Centers, Add		*1.35*	
		For Posts 5' On Centers, Add		*5.14*	
		For Up To 100, Add		*4.88*	
		For >100 To 250, Add		*1.84*	
		For >2,500 To 5,000, Deduct		*-0.92*	
		For >5,000, Deduct		*-1.84*	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		25.96	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add		*1.98*	
		For 13 Gauge Fabric, Deduct		*-4.26*	
		For 11 Gauge Fabric, Deduct		*-2.49*	
		For 6 Gauge Fabric, Add		*3.91*	
		For 1" Mesh Fabric, Add		*5.33*	
		For 1-3/4" Mesh Fabric, Add		*2.13*	
		For 2-1/8" Mesh Fabric, Deduct		*-1.07*	
		For 2-3/8" Mesh Fabric, Deduct		*-1.42*	
		For Posts 8' On Centers, Add		*1.46*	
		For Posts 5' On Centers, Add		*5.56*	
		For Up To 100, Add		*5.26*	
		For >100 To 250, Add		*1.98*	
		For >2,500 To 5,000, Deduct		*-0.99*	
		For >5,000, Deduct		*-1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	27.16	4.63
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.07*	
		For 13 Gauge Fabric, Deduct	*-4.50*	
		For 11 Gauge Fabric, Deduct	*-2.63*	
		For 6 Gauge Fabric, Add	*4.13*	
		For 1" Mesh Fabric, Add	*5.63*	
		For 1-3/4" Mesh Fabric, Add	*2.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.50*	
		For Posts 8' On Centers, Add	*1.53*	
		For Posts 5' On Centers, Add	*5.81*	
		For Up To 100, Add	*5.50*	
		For >100 To 250, Add	*2.07*	
		For >2,500 To 5,000, Deduct	*-1.03*	
		For >5,000, Deduct	*-2.07*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.33	5.40
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.27*	
		For 13 Gauge Fabric, Deduct	*-5.28*	
		For 11 Gauge Fabric, Deduct	*-3.08*	
		For 6 Gauge Fabric, Add	*4.84*	
		For 1" Mesh Fabric, Add	*6.60*	
		For 1-3/4" Mesh Fabric, Add	*2.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.76*	
		For Posts 8' On Centers, Add	*1.70*	
		For Posts 5' On Centers, Add	*6.44*	
		For Up To 100, Add	*6.06*	
		For >100 To 250, Add	*2.27*	
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-2.27*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.38	6.94
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.41*	
		For 13 Gauge Fabric, Deduct	*-5.74*	
		For 11 Gauge Fabric, Deduct	*-3.35*	
		For 6 Gauge Fabric, Add	*5.27*	
		For 1" Mesh Fabric, Add	*7.19*	
		For 1-3/4" Mesh Fabric, Add	*2.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.92*	
		For Posts 8' On Centers, Add	*1.81*	
		For Posts 5' On Centers, Add	*6.86*	
		For Up To 100, Add	*6.44*	
		For >100 To 250, Add	*2.41*	
		For >2,500 To 5,000, Deduct	*-1.21*	
		For >5,000, Deduct	*-2.41*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.45	7.71
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.55*	
		For 13 Gauge Fabric, Deduct	*-6.21*	
		For 11 Gauge Fabric, Deduct	*-3.63*	
		For 6 Gauge Fabric, Add	*5.70*	
		For 1" Mesh Fabric, Add	*7.77*	
		For 1-3/4" Mesh Fabric, Add	*3.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.07*	
		For Posts 8' On Centers, Add	*1.92*	
		For Posts 5' On Centers, Add	*7.28*	
		For Up To 100, Add	*6.83*	
		For >100 To 250, Add	*2.55*	
		For >2,500 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-2.55*	
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	38.27	9.25
		For Each Additional Foot >12, Add	*3.55*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.81*	
		For 13 Gauge Fabric, Deduct	*-7.05*	
		For 11 Gauge Fabric, Deduct	*-4.12*	
		For 6 Gauge Fabric, Add	*6.48*	
		For 1" Mesh Fabric, Add	*8.83*	
		For 1-3/4" Mesh Fabric, Add	*3.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.35*	
		For Posts 8' On Centers, Add	*2.13*	
		For Posts 5' On Centers, Add	*8.06*	
		For Up To 100, Add	*7.54*	
		For >100 To 250, Add	*2.81*	
		For >2,500 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.81*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.20	3.08
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*1.61*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.78*	
		For 13 Gauge Fabric, Deduct	*-3.73*	
		For 11 Gauge Fabric, Deduct	*-2.18*	
		For 6 Gauge Fabric, Add	*3.43*	
		For 1" Mesh Fabric, Add	*4.67*	
		For 1-3/4" Mesh Fabric, Add	*1.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.25*	
		For Posts 8' On Centers, Add	*1.31*	
		For Posts 5' On Centers, Add	*4.99*	
		For Up To 100, Add	*4.73*	
		For >100 To 250, Add	*1.78*	
		For >2,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.78*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	25.03	3.08
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*1.82*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.90*	
		For 13 Gauge Fabric, Deduct	*-4.23*	
		For 11 Gauge Fabric, Deduct	*-2.47*	
		For 6 Gauge Fabric, Add	*3.88*	
		For 1" Mesh Fabric, Add	*5.29*	
		For 1-3/4" Mesh Fabric, Add	*2.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.06*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.41*	
		For Posts 8' On Centers, Add	*1.41*	
		For Posts 5' On Centers, Add	*5.34*	
		For Up To 100, Add	*5.04*	
		For >100 To 250, Add	*1.90*	
		For >2,500 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.90*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	28.22	3.08
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.18*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.10*	
		For 13 Gauge Fabric, Deduct	*-5.05*	
		For 11 Gauge Fabric, Deduct	*-2.95*	
		For 6 Gauge Fabric, Add	*4.63*	
		For 1" Mesh Fabric, Add	*6.32*	
		For 1-3/4" Mesh Fabric, Add	*2.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.26*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.68*	
		For Posts 8' On Centers, Add	*1.58*	
		For Posts 5' On Centers, Add	*5.97*	
		For Up To 100, Add	*5.60*	
		For >100 To 250, Add	*2.10*	
		For >2,500 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-2.10*	
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	29.78	4.63
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.34*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.20*	
		For 13 Gauge Fabric, Deduct	*-5.41*	
		For 11 Gauge Fabric, Deduct	*-3.16*	
		For 6 Gauge Fabric, Add	*4.97*	
		For 1" Mesh Fabric, Add	*6.77*	
		For 1-3/4" Mesh Fabric, Add	*2.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.35*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.81*	
		For Posts 8' On Centers, Add	*1.66*	
		For Posts 5' On Centers, Add	*6.28*	
		For Up To 100, Add	*5.89*	
		For >100 To 250, Add	*2.20*	
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-2.20*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	33.38	5.40
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.73*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.43*	
		For 13 Gauge Fabric, Deduct	*-6.33*	
		For 11 Gauge Fabric, Deduct	*-3.70*	
		For 6 Gauge Fabric, Add	*5.82*	
		For 1" Mesh Fabric, Add	*7.93*	
		For 1-3/4" Mesh Fabric, Add	*3.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.59*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.11*	
		For Posts 8' On Centers, Add	*1.85*	
		For Posts 5' On Centers, Add	*6.99*	
		For Up To 100, Add	*6.52*	
		For >100 To 250, Add	*2.43*	
		For >2,500 To 5,000, Deduct	*-1.21*	
		For >5,000, Deduct	*-2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	35.65	6.94
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.97*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.58*	
		For 13 Gauge Fabric, Deduct	*-6.88*	
		For 11 Gauge Fabric, Deduct	*-4.02*	
		For 6 Gauge Fabric, Add	*6.31*	
		For 1" Mesh Fabric, Add	*8.61*	
		For 1-3/4" Mesh Fabric, Add	*3.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.72*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.30*	
		For Posts 8' On Centers, Add	*1.97*	
		For Posts 5' On Centers, Add	*7.45*	
		For Up To 100, Add	*6.93*	
		For >100 To 250, Add	*2.58*	
		For >2,500 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-2.58*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	37.94	7.71
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.20*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.73*	
		For 13 Gauge Fabric, Deduct	*-7.42*	
		For 11 Gauge Fabric, Deduct	*-4.33*	
		For 6 Gauge Fabric, Add	*6.81*	
		For 1" Mesh Fabric, Add	*9.29*	
		For 1-3/4" Mesh Fabric, Add	*3.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.48*	
		For Posts 8' On Centers, Add	*2.10*	
		For Posts 5' On Centers, Add	*7.91*	
		For Up To 100, Add	*7.35*	
		For >100 To 250, Add	*2.73*	
		For >2,500 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-2.73*	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	41.35	9.25
		For Each Additional Foot >12, Add	*3.80*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.51*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.97*	
		For 13 Gauge Fabric, Deduct	*-8.12*	
		For 11 Gauge Fabric, Deduct	*-4.75*	
		For 6 Gauge Fabric, Add	*7.46*	
		For 1" Mesh Fabric, Add	*10.17*	
		For 1-3/4" Mesh Fabric, Add	*4.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.71*	
		For Posts 8' On Centers, Add	*2.28*	
		For Posts 5' On Centers, Add	*8.61*	
		For Up To 100, Add	*8.00*	
		For >100 To 250, Add	*2.97*	
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.97*	

32 31 13 13-0162 Rails *(32 31 13 13)*
Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*
Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	3.53	1.00
		For SS15, Deduct	*-0.15*	
		For SS40, Add	*0.36*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	4.02	1.00
		For SS40, Add	*0.19*	
		For Powder Coated, Add	*0.39*	
		For Aluminum Coated, Add	*0.78*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	4.20	1.13
		For SS15, Deduct	*-0.19*	
		For SS40, Add	*0.48*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	4.85	1.13
		For SS40, Add	*0.26*	
		For Powder Coated, Add	*0.52*	
		For Aluminum Coated, Add	*1.03*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	4.86	1.27
		For SS40, Add	*0.58*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	5.64	1.27
		For SS40, Add	*0.31*	
		For Powder Coated, Add	*0.62*	
		For Aluminum Coated, Add	*1.24*	

32 31 13 13-0170 Fabric *(32 31 13 13)*

32 31 13 13-0171 Fabric, Galvanized Chain Link *(32 31 13 13-0170)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.07	1.81
		For 2 Oz Galvanized Coating, Add	*0.54*	
		For 13 Gauge Fabric, Deduct	*-0.98*	
		For 11 Gauge Fabric, Deduct	*-0.54*	
		For 6 Gauge Fabric, Add	*1.74*	
		For 1" Mesh Fabric, Add	*1.63*	
		For 1-3/4" Mesh Fabric, Add	*0.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.43*	
32 31 13 13-0173	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.88	2.04
		For 2 Oz Galvanized Coating, Add	*0.63*	
		For 13 Gauge Fabric, Deduct	*-1.14*	
		For 11 Gauge Fabric, Deduct	*-0.63*	
		For 6 Gauge Fabric, Add	*2.02*	
		For 1" Mesh Fabric, Add	*1.90*	
		For 1-3/4" Mesh Fabric, Add	*0.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.38*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.51*	
32 31 13 13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.59	2.27
		For 2 Oz Galvanized Coating, Add	*0.70*	
		For 13 Gauge Fabric, Deduct	*-1.25*	
		For 11 Gauge Fabric, Deduct	*-0.70*	
		For 6 Gauge Fabric, Add	*2.22*	
		For 1" Mesh Fabric, Add	*2.09*	
		For 1-3/4" Mesh Fabric, Add	*0.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.56*	
32 31 13 13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	10.72	2.72
		For 2 Oz Galvanized Coating, Add	*0.87*	
		For 13 Gauge Fabric, Deduct	*-1.56*	
		For 11 Gauge Fabric, Deduct	*-0.87*	
		For 6 Gauge Fabric, Add	*2.77*	
		For 1" Mesh Fabric, Add	*2.60*	
		For 1-3/4" Mesh Fabric, Add	*1.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.52*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.69*	
32 31 13 13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.93	3.17
		For 2 Oz Galvanized Coating, Add	*1.04*	
		For 13 Gauge Fabric, Deduct	*-1.87*	
		For 11 Gauge Fabric, Deduct	*-1.04*	
		For 6 Gauge Fabric, Add	*3.33*	
		For 1" Mesh Fabric, Add	*3.12*	
		For 1-3/4" Mesh Fabric, Add	*1.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.83*	
32 31 13 13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.22	3.63
		For 2 Oz Galvanized Coating, Add	*1.21*	
		For 13 Gauge Fabric, Deduct	*-2.18*	
		For 11 Gauge Fabric, Deduct	*-1.21*	
		For 6 Gauge Fabric, Add	*3.88*	
		For 1" Mesh Fabric, Add	*3.64*	
		For 1-3/4" Mesh Fabric, Add	*1.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.73*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.97*	
32 31 13 13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.62	4.54
		For 2 Oz Galvanized Coating, Add	*1.39*	
		For 13 Gauge Fabric, Deduct	*-2.49*	
		For 11 Gauge Fabric, Deduct	*-1.39*	
		For 6 Gauge Fabric, Add	*4.43*	
		For 1" Mesh Fabric, Add	*4.16*	
		For 1-3/4" Mesh Fabric, Add	*1.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.83*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.11*	
32 31 13 13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.21	4.99
		For 2 Oz Galvanized Coating, Add	*1.80*	
		For 13 Gauge Fabric, Deduct	*-3.24*	
		For 11 Gauge Fabric, Deduct	*-1.80*	
		For 6 Gauge Fabric, Add	*5.76*	
		For 1" Mesh Fabric, Add	*5.40*	
		For 1-3/4" Mesh Fabric, Add	*2.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.08*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.44*	
32 31 13 13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.52	5.44
		For 2 Oz Galvanized Coating, Add	*2.16*	
		For 13 Gauge Fabric, Deduct	*-3.88*	
		For 11 Gauge Fabric, Deduct	*-2.16*	
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*6.47*	
		For 1-3/4" Mesh Fabric, Add	*2.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.97	6.35
		For 2 Oz Galvanized Coating, Add	*2.32*	
		For 13 Gauge Fabric, Deduct	*-4.17*	
		For 11 Gauge Fabric, Deduct	*-2.32*	
		For 6 Gauge Fabric, Add	*7.42*	
		For 1" Mesh Fabric, Add	*6.95*	
		For 1-3/4" Mesh Fabric, Add	*2.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.39*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.85*	
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	24.43	7.26
		For 2 Oz Galvanized Coating, Add	*2.48*	
		For 13 Gauge Fabric, Deduct	*-4.46*	
		For 11 Gauge Fabric, Deduct	*-2.48*	
		For 6 Gauge Fabric, Add	*7.93*	
		For 1" Mesh Fabric, Add	*7.43*	
		For 1-3/4" Mesh Fabric, Add	*2.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.49*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.98*	
32 31 13 13-0183	SF	>16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	1.53	0.42
		For 2 Oz Galvanized Coating, Add	*0.16*	
		For 13 Gauge Fabric, Deduct	*-0.28*	
		For 11 Gauge Fabric, Deduct	*-0.16*	
		For 6 Gauge Fabric, Add	*0.50*	
		For 1" Mesh Fabric, Add	*0.47*	
		For 1-3/4" Mesh Fabric, Add	*0.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.09*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.12*	

32 31 13 13-0184 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0170)*

32 31 13 13-0185	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.47	1.81
		For 13 Gauge Fabric, Deduct	*-1.65*	
		For 11 Gauge Fabric, Deduct	*-0.92*	
		For 6 Gauge Fabric, Add	*2.93*	
		For 1" Mesh Fabric, Add	*2.75*	
		For 1-3/4" Mesh Fabric, Add	*1.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.73*	
		For Aluminum Coated, Add	*1.46*	
32 31 13 13-0186	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	11.83	2.72
		For 13 Gauge Fabric, Deduct	*-2.06*	
		For 11 Gauge Fabric, Deduct	*-1.14*	
		For 6 Gauge Fabric, Add	*3.66*	
		For 1" Mesh Fabric, Add	*3.43*	
		For 1-3/4" Mesh Fabric, Add	*1.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.69*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.91*	
		For Aluminum Coated, Add	*1.83*	
32 31 13 13-0187	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.18	3.17
		For 13 Gauge Fabric, Deduct	*-2.88*	
		For 11 Gauge Fabric, Deduct	*-1.60*	
		For 6 Gauge Fabric, Add	*5.13*	
		For 1" Mesh Fabric, Add	*4.81*	
		For 1-3/4" Mesh Fabric, Add	*1.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.96*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.28*	
		For Aluminum Coated, Add	*2.56*	
32 31 13 13-0188	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.83	3.63
		For 13 Gauge Fabric, Deduct	*-3.36*	
		For 11 Gauge Fabric, Deduct	*-1.87*	
		For 6 Gauge Fabric, Add	*5.97*	
		For 1" Mesh Fabric, Add	*5.60*	
		For 1-3/4" Mesh Fabric, Add	*2.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.49*	
		For Aluminum Coated, Add	*2.98*	
32 31 13 13-0189	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.67	4.54
		For 13 Gauge Fabric, Deduct	*-3.87*	
		For 11 Gauge Fabric, Deduct	*-2.15*	
		For 6 Gauge Fabric, Add	*6.87*	
		For 1" Mesh Fabric, Add	*6.44*	
		For 1-3/4" Mesh Fabric, Add	*2.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.72*	
		For Aluminum Coated, Add	*3.44*	
32 31 13 13-0190	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.71	4.99
		For 13 Gauge Fabric, Deduct	*-4.82*	
		For 11 Gauge Fabric, Deduct	*-2.68*	
		For 6 Gauge Fabric, Add	*8.56*	
		For 1" Mesh Fabric, Add	*8.03*	
		For 1-3/4" Mesh Fabric, Add	*3.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.14*	
		For Aluminum Coated, Add	*4.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0191	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.59	5.44
		For 13 Gauge Fabric, Deduct	*-5.27*	
		For 11 Gauge Fabric, Deduct	*-2.93*	
		For 6 Gauge Fabric, Add	*9.36*	
		For 1" Mesh Fabric, Add	*8.78*	
		For 1-3/4" Mesh Fabric, Add	*3.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.34*	
		For Aluminum Coated, Add	*4.68*	
32 31 13 13-0192	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.58	6.35
		For 13 Gauge Fabric, Deduct	*-5.80*	
		For 11 Gauge Fabric, Deduct	*-3.22*	
		For 6 Gauge Fabric, Add	*10.30*	
		For 1" Mesh Fabric, Add	*9.66*	
		For 1-3/4" Mesh Fabric, Add	*3.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.58*	
		For Aluminum Coated, Add	*5.15*	
32 31 13 13-0193	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	28.63	7.26
		For 13 Gauge Fabric, Deduct	*-6.35*	
		For 11 Gauge Fabric, Deduct	*-3.53*	
		For 6 Gauge Fabric, Add	*11.29*	
		For 1" Mesh Fabric, Add	*10.58*	
		For 1-3/4" Mesh Fabric, Add	*4.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.82*	
		For Aluminum Coated, Add	*5.64*	
32 31 13 13-0194	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	1.79	0.42
		For 13 Gauge Fabric, Deduct	*-0.40*	
		For 11 Gauge Fabric, Deduct	*-0.22*	
		For 6 Gauge Fabric, Add	*0.70*	
		For 1" Mesh Fabric, Add	*0.66*	
		For 1-3/4" Mesh Fabric, Add	*0.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.18*	
		For Aluminum Coated, Add	*0.35*	

32 31 13 13-0195 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0170)*

32 31 13 13-0196	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.98	1.81
		For 6 Gauge Fabric, Add	*1.66*	
		For 1" Mesh Fabric, Add	*2.18*	
32 31 13 13-0197	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.77	2.04
		For 6 Gauge Fabric, Add	*1.94*	
		For 1" Mesh Fabric, Add	*2.54*	
32 31 13 13-0198	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.58	2.27
		For 6 Gauge Fabric, Add	*2.22*	
		For 1" Mesh Fabric, Add	*2.91*	
32 31 13 13-0199	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.72	2.72
		For 6 Gauge Fabric, Add	*2.77*	
		For 1" Mesh Fabric, Add	*3.63*	
32 31 13 13-0200	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.90	3.17
		For 6 Gauge Fabric, Add	*3.30*	
		For 1" Mesh Fabric, Add	*4.34*	
32 31 13 13-0201	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.20	3.63
		For 6 Gauge Fabric, Add	*3.86*	
		For 1" Mesh Fabric, Add	*5.07*	
32 31 13 13-0202	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.60	4.54
		For 6 Gauge Fabric, Add	*4.42*	
		For 1" Mesh Fabric, Add	*5.80*	
32 31 13 13-0203	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.91	4.99
		For 6 Gauge Fabric, Add	*5.52*	
		For 1" Mesh Fabric, Add	*7.25*	
32 31 13 13-0204	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.17	5.44
		For 6 Gauge Fabric, Add	*6.62*	
		For 1" Mesh Fabric, Add	*8.69*	

32 31 13 13-0205 Fabric, All Aluminum Chain Link *(32 31 13 13-0170)*

32 31 13 13-0206	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	11.34	1.81
		For 6 Gauge Fabric, Add	*4.35*	
		For 1" Mesh Fabric, Add	*5.71*	
32 31 13 13-0207	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	12.69	2.04
		For 6 Gauge Fabric, Add	*5.07*	
		For 1" Mesh Fabric, Add	*6.66*	
32 31 13 13-0208	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	14.06	2.27
		For 6 Gauge Fabric, Add	*5.80*	
		For 1" Mesh Fabric, Add	*7.61*	
32 31 13 13-0209	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.32	2.72
		For 6 Gauge Fabric, Add	*7.25*	
		For 1" Mesh Fabric, Add	*9.51*	
32 31 13 13-0210	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.65	3.17
		For 6 Gauge Fabric, Add	*8.70*	
		For 1" Mesh Fabric, Add	*11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0211	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.06	3.63
		For 6 Gauge Fabric, Add	*10.15*	
		For 1" Mesh Fabric, Add	*13.32*	
32 31 13 13-0212	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.58	4.54
		For 6 Gauge Fabric, Add	*11.60*	
		For 1" Mesh Fabric, Add	*15.23*	
32 31 13 13-0213	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	28.13	4.99
		For 6 Gauge Fabric, Add	*14.50*	
		For 1" Mesh Fabric, Add	*19.03*	
32 31 13 13-0214	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	32.64	5.44
		For 6 Gauge Fabric, Add	*17.40*	
		For 1" Mesh Fabric, Add	*22.84*	

32 31 13 13-0215 Fence Inserts *(32 31 13 13-0170)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0216 Vinyl Plastic Fence Inserts *(32 31 13 13-0215)*

Note: Assorted colors.

32 31 13 13-0217	LF	3' High Fence, Vinyl Plastic Fence Insert	5.53
32 31 13 13-0218	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	6.36
32 31 13 13-0219	LF	4' High Fence, Vinyl Plastic Fence Insert	7.02
32 31 13 13-0220	LF	5' High Fence, Vinyl Plastic Fence Insert	8.79
32 31 13 13-0221	LF	6' High Fence, Vinyl Plastic Fence Insert	10.54
32 31 13 13-0222	LF	7' High Fence, Vinyl Plastic Fence Insert	12.31
32 31 13 13-0223	LF	8' High Fence, Vinyl Plastic Fence Insert	14.03
32 31 13 13-0224	LF	10' High Fence, Vinyl Plastic Fence Insert	16.48

32 31 13 13-0225 Aluminum Fence Inserts *(32 31 13 13-0215)*

Note: Assorted colors.

32 31 13 13-0226	LF	3' High Fence, Aluminum Fence Insert	11.87
32 31 13 13-0227	LF	3-1/2' High Fence, Aluminum Fence Insert	13.15
32 31 13 13-0228	LF	4' High Fence, Aluminum Fence Insert	15.43
32 31 13 13-0229	LF	5' High Fence, Aluminum Fence Insert	19.34
32 31 13 13-0230	LF	6' High Fence, Aluminum Fence Insert	23.20
32 31 13 13-0231	LF	7' High Fence, Aluminum Fence Insert	25.79
32 31 13 13-0232	LF	8' High Fence, Aluminum Fence Insert	30.92
32 31 13 13-0233	LF	10' High Fence, Aluminum Fence Insert	37.65

32 31 13 13-0234 Redwood Fence Inserts *(32 31 13 13-0215)*

32 31 13 13-0235	LF	4' High Fence, Redwood Fence Insert	10.54
32 31 13 13-0236	LF	5' High Fence, Redwood Fence Insert	13.33
32 31 13 13-0237	LF	6' High Fence, Redwood Fence Insert	16.02
32 31 13 13-0238	LF	7' High Fence, Redwood Fence Insert	18.65
32 31 13 13-0239	LF	8' High Fence, Redwood Fence Insert	21.34

32 31 13 13-0240 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0215)*

32 31 13 13-0241	SF	Diagonal Polyethylene Fence Weave	2.40

32 31 13 13-0242 Hedge Link Fence Inserts *(32 31 13 13-0215)*

32 31 13 13-0243	LF	3' High Fence, Hedge Link Fence Insert	12.18
32 31 13 13-0244	LF	3-1/2' High Fence, Hedge Link Fence Insert	13.87
32 31 13 13-0245	LF	4' High Fence, Hedge Link Fence Insert	16.42
32 31 13 13-0246	LF	5' High Fence, Hedge Link Fence Insert	20.30
32 31 13 13-0247	LF	6' High Fence, Hedge Link Fence Insert	23.37
32 31 13 13-0248	LF	7' High Fence, Hedge Link Fence Insert	29.21
32 31 13 13-0249	LF	8' High Fence, Hedge Link Fence Insert	33.19
32 31 13 13-0250	LF	10' High Fence, Hedge Link Fence Insert	39.50
32 31 13 13-0251	LF	12' High Fence, Hedge Link Fence Insert	45.27

32 31 13 13-0252 Fence Windscreen Fabric *(32 31 13 13-0170)*

Note: Includes plastic wire clips.

32 31 13 13-0253	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.80	
		For Sewn Boxed Vent (Each), Add	*14.42*	
		For Welded Boxed Vent (Each), Add	*7.21*	
		For 4' x 4' One Color Logo (Each), Add	*300.50*	

32 31 13 13-0254 Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 13-0170)*

32 31 13 13-0255	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	18.66	1.81
		For 11 Gauge, Deduct	*-2.55*	
		For 10 Gauge, Deduct	*-1.02*	
		For 7 Gauge, Add	*1.53*	
		For 6 Gauge, Add	*3.57*	
		For 1/2" Mesh Fabric, Deduct	*-0.64*	
		For 5/8" Mesh Fabric, Deduct	*-1.40*	
		For 3/4" Mesh Fabric, Deduct	*-2.04*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0256	LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	21.23	2.04
	For 11 Gauge, Deduct	*-2.98*	
	For 10 Gauge, Deduct	*-1.19*	
	For 7 Gauge, Add	*1.79*	
	For 6 Gauge, Add	*4.17*	
	For 1/2" Mesh Fabric, Deduct	*-0.74*	
	For 5/8" Mesh Fabric, Deduct	*-1.64*	
	For 3/4" Mesh Fabric, Deduct	*-2.38*	
32 31 13 13-0257	LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	23.83	2.27
	For 11 Gauge, Deduct	*-3.40*	
	For 10 Gauge, Deduct	*-1.36*	
	For 7 Gauge, Add	*2.04*	
	For 6 Gauge, Add	*4.77*	
	For 1/2" Mesh Fabric, Deduct	*-0.85*	
	For 5/8" Mesh Fabric, Deduct	*-1.87*	
	For 3/4" Mesh Fabric, Deduct	*-2.72*	
32 31 13 13-0258	LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	28.53	2.72
	For 11 Gauge, Deduct	*-4.25*	
	For 10 Gauge, Deduct	*-1.70*	
	For 7 Gauge, Add	*2.55*	
	For 6 Gauge, Add	*5.96*	
	For 1/2" Mesh Fabric, Deduct	*-1.06*	
	For 5/8" Mesh Fabric, Deduct	*-2.34*	
	For 3/4" Mesh Fabric, Deduct	*-3.40*	
32 31 13 13-0259	LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	33.28	3.17
	For 11 Gauge, Deduct	*-5.10*	
	For 10 Gauge, Deduct	*-2.04*	
	For 7 Gauge, Add	*3.06*	
	For 6 Gauge, Add	*7.14*	
	For 1/2" Mesh Fabric, Deduct	*-1.28*	
	For 5/8" Mesh Fabric, Deduct	*-2.81*	
	For 3/4" Mesh Fabric, Deduct	*-4.08*	
32 31 13 13-0260	LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	38.14	3.63
	For 11 Gauge, Deduct	*-5.95*	
	For 10 Gauge, Deduct	*-2.38*	
	For 7 Gauge, Add	*3.57*	
	For 6 Gauge, Add	*8.34*	
	For 1/2" Mesh Fabric, Deduct	*-1.49*	
	For 5/8" Mesh Fabric, Deduct	*-3.27*	
	For 3/4" Mesh Fabric, Deduct	*-4.76*	
32 31 13 13-0261	LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	43.11	4.54
	For 11 Gauge, Deduct	*-6.81*	
	For 10 Gauge, Deduct	*-2.72*	
	For 7 Gauge, Add	*4.08*	
	For 6 Gauge, Add	*9.53*	
	For 1/2" Mesh Fabric, Deduct	*-1.70*	
	For 5/8" Mesh Fabric, Deduct	*-3.74*	
	For 3/4" Mesh Fabric, Deduct	*-5.44*	
32 31 13 13-0262	LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	47.40	4.77
	For 11 Gauge, Deduct	*-7.58*	
	For 10 Gauge, Deduct	*-3.03*	
	For 7 Gauge, Add	*4.55*	
	For 6 Gauge, Add	*10.61*	
	For 1/2" Mesh Fabric, Deduct	*-1.89*	
	For 5/8" Mesh Fabric, Deduct	*-4.17*	
	For 3/4" Mesh Fabric, Deduct	*-6.06*	
32 31 13 13-0263	LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	51.73	4.99
	For 11 Gauge, Deduct	*-8.34*	
	For 10 Gauge, Deduct	*-3.34*	
	For 7 Gauge, Add	*5.01*	
	For 6 Gauge, Add	*11.68*	
	For 1/2" Mesh Fabric, Deduct	*-2.09*	
	For 5/8" Mesh Fabric, Deduct	*-4.59*	
	For 3/4" Mesh Fabric, Deduct	*-6.68*	
32 31 13 13-0264	LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	56.12	5.44
	For 11 Gauge, Deduct	*-9.05*	
	For 10 Gauge, Deduct	*-3.62*	
	For 7 Gauge, Add	*5.43*	
	For 6 Gauge, Add	*12.66*	
	For 1/2" Mesh Fabric, Deduct	*-2.26*	
	For 5/8" Mesh Fabric, Deduct	*-4.98*	
	For 3/4" Mesh Fabric, Deduct	*-7.24*	

32 31 13 13-0265 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0266 Galvanized Steel Without Barbed Wire *(32 31 13 13-0265)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0267 4' Fence Height *(32 31 13 13-0266)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0268	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	162.57	18.01
		For Gate With Single Barb Wire Arm, Add	*11.69*	
		For Gate With Double Barb Wire Arm, Add	*17.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-19.93*	
		For Aluminized Steel Gate And Post, Add	*51.01*	
		For Powder Coated Gate And Post, Add	*27.63*	
32 31 13 13-0269	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	198.00	18.76
		For Gate With Single Barb Wire Arm, Add	*15.59*	
		For Gate With Double Barb Wire Arm, Add	*22.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.57*	
		For Aluminized Steel Gate And Post, Add	*68.02*	
		For Powder Coated Gate And Post, Add	*36.84*	
32 31 13 13-0270	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	231.13	19.97
		For Gate With Single Barb Wire Arm, Add	*18.82*	
		For Gate With Double Barb Wire Arm, Add	*27.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.08*	
		For Aluminized Steel Gate And Post, Add	*82.12*	
		For Powder Coated Gate And Post, Add	*44.48*	
32 31 13 13-0271	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	272.53	24.01
		For Gate With Single Barb Wire Arm, Add	*22.05*	
		For Gate With Double Barb Wire Arm, Add	*32.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.59*	
		For Aluminized Steel Gate And Post, Add	*96.23*	
		For Powder Coated Gate And Post, Add	*52.12*	
32 31 13 13-0272	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	313.91	27.99
		For Gate With Single Barb Wire Arm, Add	*25.28*	
		For Gate With Double Barb Wire Arm, Add	*36.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.10*	
		For Aluminized Steel Gate And Post, Add	*110.33*	
		For Powder Coated Gate And Post, Add	*59.76*	
32 31 13 13-0273	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	356.51	31.97
		For Gate With Single Barb Wire Arm, Add	*28.65*	
		For Gate With Double Barb Wire Arm, Add	*41.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.83*	
		For Aluminized Steel Gate And Post, Add	*125.01*	
		For Powder Coated Gate And Post, Add	*67.71*	
32 31 13 13-0274	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	397.89	36.03
		For Gate With Single Barb Wire Arm, Add	*31.88*	
		For Gate With Double Barb Wire Arm, Add	*46.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.34*	
		For Aluminized Steel Gate And Post, Add	*139.11*	
		For Powder Coated Gate And Post, Add	*75.35*	
32 31 13 13-0275	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	439.80	40.00
		For Gate With Single Barb Wire Arm, Add	*35.17*	
		For Gate With Double Barb Wire Arm, Add	*51.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.95*	
		For Aluminized Steel Gate And Post, Add	*153.47*	
		For Powder Coated Gate And Post, Add	*83.13*	
32 31 13 13-0276	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	545.22	40.00
		For Gate With Single Barb Wire Arm, Add	*46.77*	
		For Gate With Double Barb Wire Arm, Add	*68.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-79.71*	
		For Aluminized Steel Gate And Post, Add	*204.07*	
		For Powder Coated Gate And Post, Add	*110.54*	
32 31 13 13-0277	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	638.82	42.85
		For Gate With Single Barb Wire Arm, Add	*56.12*	
		For Gate With Double Barb Wire Arm, Add	*81.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.66*	
		For Aluminized Steel Gate And Post, Add	*244.88*	
		For Powder Coated Gate And Post, Add	*132.64*	
32 31 13 13-0278	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	733.74	46.16
		For Gate With Single Barb Wire Arm, Add	*65.47*	
		For Gate With Double Barb Wire Arm, Add	*95.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.60*	
		For Aluminized Steel Gate And Post, Add	*285.69*	
		For Powder Coated Gate And Post, Add	*154.75*	
32 31 13 13-0279	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	830.33	49.98
		For Gate With Single Barb Wire Arm, Add	*74.82*	
		For Gate With Double Barb Wire Arm, Add	*108.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.54*	
		For Aluminized Steel Gate And Post, Add	*326.51*	
		For Powder Coated Gate And Post, Add	*176.86*	
32 31 13 13-0280	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	948.49	60.98
		For Gate With Single Barb Wire Arm, Add	*84.18*	
		For Gate With Double Barb Wire Arm, Add	*122.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.48*	
		For Aluminized Steel Gate And Post, Add	*367.32*	
		For Powder Coated Gate And Post, Add	*198.97*	
32 31 13 13-0281	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,046.59	65.36
		For Gate With Single Barb Wire Arm, Add	*93.53*	
		For Gate With Double Barb Wire Arm, Add	*136.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-159.43*	
		For Aluminized Steel Gate And Post, Add	*408.13*	
		For Powder Coated Gate And Post, Add	*221.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,144.65	70.43
		For Gate With Single Barb Wire Arm, Add	*102.66*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Aluminized Steel Gate And Post, Add	*447.95*	
		For Powder Coated Gate And Post, Add	*242.64*	
32 31 13 13-0283	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,245.22	76.27
		For Gate With Single Barb Wire Arm, Add	*111.78*	
		For Gate With Double Barb Wire Arm, Add	*162.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.53*	
		For Aluminized Steel Gate And Post, Add	*487.77*	
		For Powder Coated Gate And Post, Add	*264.21*	
32 31 13 13-0284	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,349.01	83.23
		For Gate With Single Barb Wire Arm, Add	*120.91*	
		For Gate With Double Barb Wire Arm, Add	*175.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.09*	
		For Aluminized Steel Gate And Post, Add	*527.59*	
		For Powder Coated Gate And Post, Add	*285.78*	
32 31 13 13-0285	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,425.84	91.56
		For Gate With Single Barb Wire Arm, Add	*126.61*	
		For Gate With Double Barb Wire Arm, Add	*184.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.81*	
		For Aluminized Steel Gate And Post, Add	*552.47*	
		For Powder Coated Gate And Post, Add	*299.25*	
32 31 13 13-0286	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,580.80	101.70
		For Gate With Single Barb Wire Arm, Add	*140.30*	
		For Gate With Double Barb Wire Arm, Add	*204.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-239.14*	
		For Aluminized Steel Gate And Post, Add	*612.20*	
		For Powder Coated Gate And Post, Add	*331.61*	

32 31 13 13-0287 5' Fence Height *(32 31 13 13-0266)*

32 31 13 13-0288	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	191.38	19.97
		For Gate With Single Barb Wire Arm, Add	*14.45*	
		For Gate With Double Barb Wire Arm, Add	*21.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-24.63*	
		For Aluminized Steel Gate And Post, Add	*63.04*	
		For Powder Coated Gate And Post, Add	*34.15*	
32 31 13 13-0289	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	234.59	19.97
		For Gate With Single Barb Wire Arm, Add	*19.20*	
		For Gate With Double Barb Wire Arm, Add	*27.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.73*	
		For Aluminized Steel Gate And Post, Add	*83.78*	
		For Powder Coated Gate And Post, Add	*45.38*	
32 31 13 13-0290	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	271.19	21.24
		For Gate With Single Barb Wire Arm, Add	*22.81*	
		For Gate With Double Barb Wire Arm, Add	*33.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.88*	
		For Aluminized Steel Gate And Post, Add	*99.54*	
		For Powder Coated Gate And Post, Add	*53.92*	
32 31 13 13-0291	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	318.51	25.52
		For Gate With Single Barb Wire Arm, Add	*26.61*	
		For Gate With Double Barb Wire Arm, Add	*38.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.37*	
		For Aluminized Steel Gate And Post, Add	*116.14*	
		For Powder Coated Gate And Post, Add	*62.91*	
32 31 13 13-0292	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	362.37	29.72
		For Gate With Single Barb Wire Arm, Add	*30.04*	
		For Gate With Double Barb Wire Arm, Add	*43.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.20*	
		For Aluminized Steel Gate And Post, Add	*131.07*	
		For Powder Coated Gate And Post, Add	*71.00*	
32 31 13 13-0293	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	410.44	34.23
		For Gate With Single Barb Wire Arm, Add	*33.84*	
		For Gate With Double Barb Wire Arm, Add	*49.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.68*	
		For Aluminized Steel Gate And Post, Add	*147.66*	
		For Powder Coated Gate And Post, Add	*79.98*	
32 31 13 13-0294	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	456.04	38.50
		For Gate With Single Barb Wire Arm, Add	*37.45*	
		For Gate With Double Barb Wire Arm, Add	*54.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.84*	
		For Aluminized Steel Gate And Post, Add	*163.42*	
		For Powder Coated Gate And Post, Add	*88.52*	
32 31 13 13-0295	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	501.63	42.71
		For Gate With Single Barb Wire Arm, Add	*41.06*	
		For Gate With Double Barb Wire Arm, Add	*59.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.99*	
		For Aluminized Steel Gate And Post, Add	*179.18*	
		For Powder Coated Gate And Post, Add	*97.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	655.42	42.85
		For Gate With Single Barb Wire Arm, Add	*57.94*	
		For Gate With Double Barb Wire Arm, Add	*84.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.77*	
		For Aluminized Steel Gate And Post, Add	*252.84*	
		For Powder Coated Gate And Post, Add	*136.96*	
32 31 13 13-0297	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	771.07	46.16
		For Gate With Single Barb Wire Arm, Add	*69.58*	
		For Gate With Double Barb Wire Arm, Add	*101.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.60*	
		For Aluminized Steel Gate And Post, Add	*303.61*	
		For Powder Coated Gate And Post, Add	*164.46*	
32 31 13 13-0298	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	888.40	49.98
		For Gate With Single Barb Wire Arm, Add	*81.21*	
		For Gate With Double Barb Wire Arm, Add	*118.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-138.43*	
		For Aluminized Steel Gate And Post, Add	*354.38*	
		For Powder Coated Gate And Post, Add	*191.96*	
32 31 13 13-0299	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,027.29	60.98
		For Gate With Single Barb Wire Arm, Add	*92.85*	
		For Gate With Double Barb Wire Arm, Add	*135.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.26*	
		For Aluminized Steel Gate And Post, Add	*405.14*	
		For Powder Coated Gate And Post, Add	*219.45*	
32 31 13 13-0300	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,144.06	65.36
		For Gate With Single Barb Wire Arm, Add	*104.25*	
		For Gate With Double Barb Wire Arm, Add	*151.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.70*	
		For Aluminized Steel Gate And Post, Add	*454.92*	
		For Powder Coated Gate And Post, Add	*246.41*	
32 31 13 13-0301	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,267.00	70.43
		For Gate With Single Barb Wire Arm, Add	*116.11*	
		For Gate With Double Barb Wire Arm, Add	*168.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.92*	
		For Aluminized Steel Gate And Post, Add	*506.68*	
		For Powder Coated Gate And Post, Add	*274.45*	
32 31 13 13-0302	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,390.39	76.27
		For Gate With Single Barb Wire Arm, Add	*127.75*	
		For Gate With Double Barb Wire Arm, Add	*185.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-217.75*	
		For Aluminized Steel Gate And Post, Add	*557.45*	
		For Powder Coated Gate And Post, Add	*301.95*	
32 31 13 13-0303	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,514.91	83.23
		For Gate With Single Barb Wire Arm, Add	*139.15*	
		For Gate With Double Barb Wire Arm, Add	*202.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-237.20*	
		For Aluminized Steel Gate And Post, Add	*607.22*	
		For Powder Coated Gate And Post, Add	*328.91*	
32 31 13 13-0304	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,647.74	91.56
		For Gate With Single Barb Wire Arm, Add	*151.02*	
		For Gate With Double Barb Wire Arm, Add	*219.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.42*	
		For Aluminized Steel Gate And Post, Add	*658.98*	
		For Powder Coated Gate And Post, Add	*356.95*	
32 31 13 13-0305	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,782.73	101.70
		For Gate With Single Barb Wire Arm, Add	*162.51*	
		For Gate With Double Barb Wire Arm, Add	*236.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-277.00*	
		For Aluminized Steel Gate And Post, Add	*709.12*	
		For Powder Coated Gate And Post, Add	*384.11*	
32 31 13 13-0306	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,923.84	114.41
		For Gate With Single Barb Wire Arm, Add	*173.83*	
		For Gate With Double Barb Wire Arm, Add	*252.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-296.30*	
		For Aluminized Steel Gate And Post, Add	*758.53*	
		For Powder Coated Gate And Post, Add	*410.87*	
32 31 13 13-0307		6' Fence Height *(32 31 13 13-0266)*		
32 31 13 13-0308	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	205.18	21.39
		For Gate With Single Barb Wire Arm, Add	*15.49*	
		For Gate With Double Barb Wire Arm, Add	*22.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.41*	
		For Aluminized Steel Gate And Post, Add	*67.61*	
		For Powder Coated Gate And Post, Add	*36.62*	
32 31 13 13-0309	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	251.84	21.39
		For Gate With Single Barb Wire Arm, Add	*20.63*	
		For Gate With Double Barb Wire Arm, Add	*30.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.16*	
		For Aluminized Steel Gate And Post, Add	*90.00*	
		For Powder Coated Gate And Post, Add	*48.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	291.50	22.74
		For Gate With Single Barb Wire Arm, Add	*24.55*	
		For Gate With Double Barb Wire Arm, Add	*35.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.85*	
		For Aluminized Steel Gate And Post, Add	*107.14*	
		For Powder Coated Gate And Post, Add	*58.03*	
32 31 13 13-0311	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	340.06	27.47
		For Gate With Single Barb Wire Arm, Add	*28.33*	
		For Gate With Double Barb Wire Arm, Add	*41.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.28*	
		For Aluminized Steel Gate And Post, Add	*123.60*	
		For Powder Coated Gate And Post, Add	*66.95*	
32 31 13 13-0312	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	390.60	32.27
		For Gate With Single Barb Wire Arm, Add	*32.32*	
		For Gate With Double Barb Wire Arm, Add	*47.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.09*	
		For Aluminized Steel Gate And Post, Add	*141.02*	
		For Powder Coated Gate And Post, Add	*76.39*	
32 31 13 13-0313	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	438.68	36.78
		For Gate With Single Barb Wire Arm, Add	*36.12*	
		For Gate With Double Barb Wire Arm, Add	*52.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.57*	
		For Aluminized Steel Gate And Post, Add	*157.61*	
		For Powder Coated Gate And Post, Add	*85.37*	
32 31 13 13-0314	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	487.51	41.50
		For Gate With Single Barb Wire Arm, Add	*39.92*	
		For Gate With Double Barb Wire Arm, Add	*58.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.05*	
		For Aluminized Steel Gate And Post, Add	*174.20*	
		For Powder Coated Gate And Post, Add	*94.36*	
32 31 13 13-0315	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	520.77	46.23
		For Gate With Single Barb Wire Arm, Add	*42.01*	
		For Gate With Double Barb Wire Arm, Add	*61.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.61*	
		For Aluminized Steel Gate And Post, Add	*183.33*	
		For Powder Coated Gate And Post, Add	*99.30*	
32 31 13 13-0316	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	700.56	46.16
		For Gate With Single Barb Wire Arm, Add	*61.82*	
		For Gate With Double Barb Wire Arm, Add	*89.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-105.38*	
		For Aluminized Steel Gate And Post, Add	*269.76*	
		For Powder Coated Gate And Post, Add	*146.12*	
32 31 13 13-0317	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	824.11	49.98
		For Gate With Single Barb Wire Arm, Add	*74.14*	
		For Gate With Double Barb Wire Arm, Add	*107.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.38*	
		For Aluminized Steel Gate And Post, Add	*323.52*	
		For Powder Coated Gate And Post, Add	*175.24*	
32 31 13 13-0318	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	984.38	65.36
		For Gate With Single Barb Wire Arm, Add	*86.69*	
		For Gate With Double Barb Wire Arm, Add	*126.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-147.76*	
		For Aluminized Steel Gate And Post, Add	*378.27*	
		For Powder Coated Gate And Post, Add	*204.90*	
32 31 13 13-0319	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,111.47	70.43
		For Gate With Single Barb Wire Arm, Add	*99.01*	
		For Gate With Double Barb Wire Arm, Add	*144.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.76*	
		For Aluminized Steel Gate And Post, Add	*432.02*	
		For Powder Coated Gate And Post, Add	*234.01*	
32 31 13 13-0320	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,243.15	76.27
		For Gate With Single Barb Wire Arm, Add	*111.55*	
		For Gate With Double Barb Wire Arm, Add	*162.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.15*	
		For Aluminized Steel Gate And Post, Add	*486.77*	
		For Powder Coated Gate And Post, Add	*263.67*	
32 31 13 13-0321	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,378.04	83.23
		For Gate With Single Barb Wire Arm, Add	*124.10*	
		For Gate With Double Barb Wire Arm, Add	*180.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-211.53*	
		For Aluminized Steel Gate And Post, Add	*541.52*	
		For Powder Coated Gate And Post, Add	*293.32*	
32 31 13 13-0322	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,515.02	91.56
		For Gate With Single Barb Wire Arm, Add	*136.42*	
		For Gate With Double Barb Wire Arm, Add	*198.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-232.53*	
		For Aluminized Steel Gate And Post, Add	*595.28*	
		For Powder Coated Gate And Post, Add	*322.44*	
32 31 13 13-0323	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,658.57	101.70
		For Gate With Single Barb Wire Arm, Add	*148.85*	
		For Gate With Double Barb Wire Arm, Add	*216.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.72*	
		For Aluminized Steel Gate And Post, Add	*649.53*	
		For Powder Coated Gate And Post, Add	*351.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,808.53	114.41
		For Gate With Single Barb Wire Arm, Add	*161.15*	
		For Gate With Double Barb Wire Arm, Add	*234.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-274.68*	
		For Aluminized Steel Gate And Post, Add	*703.18*	
		For Powder Coated Gate And Post, Add	*380.89*	
32 31 13 13-0325	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,970.83	130.73
		For Gate With Single Barb Wire Arm, Add	*173.60*	
		For Gate With Double Barb Wire Arm, Add	*252.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-295.91*	
		For Aluminized Steel Gate And Post, Add	*757.53*	
		For Powder Coated Gate And Post, Add	*410.33*	
32 31 13 13-0326	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,149.71	152.54
		For Gate With Single Barb Wire Arm, Add	*186.08*	
		For Gate With Double Barb Wire Arm, Add	*270.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.18*	
		For Aluminized Steel Gate And Post, Add	*811.98*	
		For Powder Coated Gate And Post, Add	*439.82*	
32 31 13 13-0327		7' Fence Height *(32 31 13 13-0266)*		
32 31 13 13-0328	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	216.18	23.04
		For Gate With Single Barb Wire Arm, Add	*16.16*	
		For Gate With Double Barb Wire Arm, Add	*23.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.54*	
		For Aluminized Steel Gate And Post, Add	*70.51*	
		For Powder Coated Gate And Post, Add	*38.19*	
32 31 13 13-0329	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	264.57	23.04
		For Gate With Single Barb Wire Arm, Add	*21.48*	
		For Gate With Double Barb Wire Arm, Add	*31.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.62*	
		For Aluminized Steel Gate And Post, Add	*93.74*	
		For Powder Coated Gate And Post, Add	*50.78*	
32 31 13 13-0330	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	307.28	24.24
		For Gate With Single Barb Wire Arm, Add	*25.79*	
		For Gate With Double Barb Wire Arm, Add	*37.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.97*	
		For Aluminized Steel Gate And Post, Add	*112.55*	
		For Powder Coated Gate And Post, Add	*60.96*	
32 31 13 13-0331	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	376.27	29.50
		For Gate With Single Barb Wire Arm, Add	*31.65*	
		For Gate With Double Barb Wire Arm, Add	*46.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.95*	
		For Aluminized Steel Gate And Post, Add	*138.10*	
		For Powder Coated Gate And Post, Add	*74.80*	
32 31 13 13-0332	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	444.52	34.53
		For Gate With Single Barb Wire Arm, Add	*37.51*	
		For Gate With Double Barb Wire Arm, Add	*54.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.93*	
		For Aluminized Steel Gate And Post, Add	*163.66*	
		For Powder Coated Gate And Post, Add	*88.65*	
32 31 13 13-0333	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	513.52	39.70
		For Gate With Single Barb Wire Arm, Add	*43.36*	
		For Gate With Double Barb Wire Arm, Add	*63.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.91*	
		For Aluminized Steel Gate And Post, Add	*189.21*	
		For Powder Coated Gate And Post, Add	*102.49*	
32 31 13 13-0334	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	581.77	44.73
		For Gate With Single Barb Wire Arm, Add	*49.22*	
		For Gate With Double Barb Wire Arm, Add	*71.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.89*	
		For Aluminized Steel Gate And Post, Add	*214.77*	
		For Powder Coated Gate And Post, Add	*116.33*	
32 31 13 13-0335	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	641.18	49.98
		For Gate With Single Barb Wire Arm, Add	*54.02*	
		For Gate With Double Barb Wire Arm, Add	*78.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.08*	
		For Aluminized Steel Gate And Post, Add	*235.71*	
		For Powder Coated Gate And Post, Add	*127.68*	
32 31 13 13-0336	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	794.70	49.98
		For Gate With Single Barb Wire Arm, Add	*70.90*	
		For Gate With Double Barb Wire Arm, Add	*103.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-120.86*	
		For Aluminized Steel Gate And Post, Add	*309.40*	
		For Powder Coated Gate And Post, Add	*167.59*	
32 31 13 13-0337	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	913.05	65.36
		For Gate With Single Barb Wire Arm, Add	*78.84*	
		For Gate With Double Barb Wire Arm, Add	*114.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.39*	
		For Aluminized Steel Gate And Post, Add	*344.03*	
		For Powder Coated Gate And Post, Add	*186.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,047.61	70.43
		For Gate With Single Barb Wire Arm, Add	*91.98*	
		For Gate With Double Barb Wire Arm, Add	*133.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-156.79*	
		For Aluminized Steel Gate And Post, Add	*401.37*	
		For Powder Coated Gate And Post, Add	*217.41*	
32 31 13 13-0339	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,174.71	76.27
		For Gate With Single Barb Wire Arm, Add	*104.02*	
		For Gate With Double Barb Wire Arm, Add	*151.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.31*	
		For Aluminized Steel Gate And Post, Add	*453.92*	
		For Powder Coated Gate And Post, Add	*245.87*	
32 31 13 13-0340	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,315.82	83.23
		For Gate With Single Barb Wire Arm, Add	*117.25*	
		For Gate With Double Barb Wire Arm, Add	*170.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.87*	
		For Aluminized Steel Gate And Post, Add	*511.66*	
		For Powder Coated Gate And Post, Add	*277.15*	
32 31 13 13-0341	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,459.02	91.56
		For Gate With Single Barb Wire Arm, Add	*130.26*	
		For Gate With Double Barb Wire Arm, Add	*189.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.03*	
		For Aluminized Steel Gate And Post, Add	*568.40*	
		For Powder Coated Gate And Post, Add	*307.88*	
32 31 13 13-0342	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,607.76	101.70
		For Gate With Single Barb Wire Arm, Add	*143.26*	
		For Gate With Double Barb Wire Arm, Add	*208.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.19*	
		For Aluminized Steel Gate And Post, Add	*625.14*	
		For Powder Coated Gate And Post, Add	*338.62*	
32 31 13 13-0343	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,764.15	114.41
		For Gate With Single Barb Wire Arm, Add	*156.26*	
		For Gate With Double Barb Wire Arm, Add	*227.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.36*	
		For Aluminized Steel Gate And Post, Add	*681.88*	
		For Powder Coated Gate And Post, Add	*369.35*	
32 31 13 13-0344	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,931.43	130.73
		For Gate With Single Barb Wire Arm, Add	*169.27*	
		For Gate With Double Barb Wire Arm, Add	*246.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.52*	
		For Aluminized Steel Gate And Post, Add	*738.62*	
		For Powder Coated Gate And Post, Add	*400.09*	
32 31 13 13-0345	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,115.08	152.54
		For Gate With Single Barb Wire Arm, Add	*182.27*	
		For Gate With Double Barb Wire Arm, Add	*265.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.69*	
		For Aluminized Steel Gate And Post, Add	*795.36*	
		For Powder Coated Gate And Post, Add	*430.82*	
32 31 13 13-0346	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,324.91	183.03
		For Gate With Single Barb Wire Arm, Add	*195.27*	
		For Gate With Double Barb Wire Arm, Add	*284.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.85*	
		For Aluminized Steel Gate And Post, Add	*852.10*	
		For Powder Coated Gate And Post, Add	*461.55*	

32 31 13 13-0347 8' Fence Height *(32 31 13 13-0266)*

32 31 13 13-0348	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	250.49	25.00
		For Gate With Single Barb Wire Arm, Add	*19.30*	
		For Gate With Double Barb Wire Arm, Add	*28.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.90*	
		For Aluminized Steel Gate And Post, Add	*84.21*	
		For Powder Coated Gate And Post, Add	*45.61*	
32 31 13 13-0349	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	308.97	25.00
		For Gate With Single Barb Wire Arm, Add	*25.73*	
		For Gate With Double Barb Wire Arm, Add	*37.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.86*	
		For Aluminized Steel Gate And Post, Add	*112.28*	
		For Powder Coated Gate And Post, Add	*60.82*	
32 31 13 13-0350	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	358.80	27.85
		For Gate With Single Barb Wire Arm, Add	*30.26*	
		For Gate With Double Barb Wire Arm, Add	*44.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.58*	
		For Aluminized Steel Gate And Post, Add	*132.05*	
		For Powder Coated Gate And Post, Add	*71.53*	
32 31 13 13-0351	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	410.88	31.52
		For Gate With Single Barb Wire Arm, Add	*34.79*	
		For Gate With Double Barb Wire Arm, Add	*50.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.31*	
		For Aluminized Steel Gate And Post, Add	*151.83*	
		For Powder Coated Gate And Post, Add	*82.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0352	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	471.59	37.97
		For Gate With Single Barb Wire Arm, Add	*39.33*	
		For Gate With Double Barb Wire Arm, Add	*57.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.03*	
		For Aluminized Steel Gate And Post, Add	*171.60*	
		For Powder Coated Gate And Post, Add	*92.95*	
32 31 13 13-0353	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	531.55	44.21
		For Gate With Single Barb Wire Arm, Add	*43.86*	
		For Gate With Double Barb Wire Arm, Add	*63.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.76*	
		For Aluminized Steel Gate And Post, Add	*191.38*	
		For Powder Coated Gate And Post, Add	*103.66*	
32 31 13 13-0354	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	592.27	50.73
		For Gate With Single Barb Wire Arm, Add	*48.39*	
		For Gate With Double Barb Wire Arm, Add	*70.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.48*	
		For Aluminized Steel Gate And Post, Add	*211.16*	
		For Powder Coated Gate And Post, Add	*114.38*	
32 31 13 13-0355	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	652.97	57.27
		For Gate With Single Barb Wire Arm, Add	*52.92*	
		For Gate With Double Barb Wire Arm, Add	*76.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.21*	
		For Aluminized Steel Gate And Post, Add	*230.93*	
		For Powder Coated Gate And Post, Add	*125.09*	
32 31 13 13-0356	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	918.00	65.36
		For Gate With Single Barb Wire Arm, Add	*79.38*	
		For Gate With Double Barb Wire Arm, Add	*115.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.32*	
		For Aluminized Steel Gate And Post, Add	*346.41*	
		For Powder Coated Gate And Post, Add	*187.64*	
32 31 13 13-0357	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,072.06	70.43
		For Gate With Single Barb Wire Arm, Add	*94.67*	
		For Gate With Double Barb Wire Arm, Add	*137.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.37*	
		For Aluminized Steel Gate And Post, Add	*413.11*	
		For Powder Coated Gate And Post, Add	*223.77*	
32 31 13 13-0358	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,230.70	76.27
		For Gate With Single Barb Wire Arm, Add	*110.18*	
		For Gate With Double Barb Wire Arm, Add	*160.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-187.81*	
		For Aluminized Steel Gate And Post, Add	*480.80*	
		For Powder Coated Gate And Post, Add	*260.43*	
32 31 13 13-0359	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,396.70	83.23
		For Gate With Single Barb Wire Arm, Add	*126.15*	
		For Gate With Double Barb Wire Arm, Add	*183.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.03*	
		For Aluminized Steel Gate And Post, Add	*550.48*	
		For Powder Coated Gate And Post, Add	*298.18*	
32 31 13 13-0360	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,566.86	91.56
		For Gate With Single Barb Wire Arm, Add	*142.12*	
		For Gate With Double Barb Wire Arm, Add	*206.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-242.25*	
		For Aluminized Steel Gate And Post, Add	*620.16*	
		For Powder Coated Gate And Post, Add	*335.92*	
32 31 13 13-0361	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,740.49	101.70
		For Gate With Single Barb Wire Arm, Add	*157.86*	
		For Gate With Double Barb Wire Arm, Add	*229.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-269.08*	
		For Aluminized Steel Gate And Post, Add	*688.85*	
		For Powder Coated Gate And Post, Add	*373.13*	
32 31 13 13-0362	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,919.69	114.41
		For Gate With Single Barb Wire Arm, Add	*173.37*	
		For Gate With Double Barb Wire Arm, Add	*252.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-295.52*	
		For Aluminized Steel Gate And Post, Add	*756.54*	
		For Powder Coated Gate And Post, Add	*409.79*	
32 31 13 13-0363	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,113.93	130.73
		For Gate With Single Barb Wire Arm, Add	*189.34*	
		For Gate With Double Barb Wire Arm, Add	*275.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-322.74*	
		For Aluminized Steel Gate And Post, Add	*826.22*	
		For Powder Coated Gate And Post, Add	*447.54*	
32 31 13 13-0364	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,324.54	152.54
		For Gate With Single Barb Wire Arm, Add	*205.31*	
		For Gate With Double Barb Wire Arm, Add	*298.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-349.96*	
		For Aluminized Steel Gate And Post, Add	*895.90*	
		For Powder Coated Gate And Post, Add	*485.28*	
32 31 13 13-0365	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,559.25	183.03
		For Gate With Single Barb Wire Arm, Add	*221.05*	
		For Gate With Double Barb Wire Arm, Add	*321.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-376.79*	
		For Aluminized Steel Gate And Post, Add	*964.58*	
		For Powder Coated Gate And Post, Add	*522.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0366	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,839.78	228.81
		For Gate With Single Barb Wire Arm, Add	*236.79*	
		For Gate With Double Barb Wire Arm, Add	*344.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.62*	
		For Aluminized Steel Gate And Post, Add	*1,033.27*	
		For Powder Coated Gate And Post, Add	*559.69*	
32 31 13 13-0367		10' Fence Height *(32 31 13 13-0266)*		
32 31 13 13-0368	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	310.25	27.77
		For Gate With Single Barb Wire Arm, Add	*24.95*	
		For Gate With Double Barb Wire Arm, Add	*36.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.54*	
		For Aluminized Steel Gate And Post, Add	*108.89*	
		For Powder Coated Gate And Post, Add	*58.98*	
32 31 13 13-0369	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	385.88	27.77
		For Gate With Single Barb Wire Arm, Add	*33.27*	
		For Gate With Double Barb Wire Arm, Add	*48.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.72*	
		For Aluminized Steel Gate And Post, Add	*145.20*	
		For Powder Coated Gate And Post, Add	*78.65*	
32 31 13 13-0370	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	442.83	28.96
		For Gate With Single Barb Wire Arm, Add	*39.13*	
		For Gate With Double Barb Wire Arm, Add	*56.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.71*	
		For Aluminized Steel Gate And Post, Add	*170.77*	
		For Powder Coated Gate And Post, Add	*92.50*	
32 31 13 13-0371	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	517.12	36.03
		For Gate With Single Barb Wire Arm, Add	*45.00*	
		For Gate With Double Barb Wire Arm, Add	*65.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.70*	
		For Aluminized Steel Gate And Post, Add	*196.34*	
		For Powder Coated Gate And Post, Add	*106.35*	
32 31 13 13-0372	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	590.97	42.71
		For Gate With Single Barb Wire Arm, Add	*50.85*	
		For Gate With Double Barb Wire Arm, Add	*73.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.68*	
		For Aluminized Steel Gate And Post, Add	*221.91*	
		For Powder Coated Gate And Post, Add	*120.20*	
32 31 13 13-0373	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	664.93	49.76
		For Gate With Single Barb Wire Arm, Add	*56.71*	
		For Gate With Double Barb Wire Arm, Add	*82.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.67*	
		For Aluminized Steel Gate And Post, Add	*247.48*	
		For Powder Coated Gate And Post, Add	*134.05*	
32 31 13 13-0374	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	738.48	56.51
		For Gate With Single Barb Wire Arm, Add	*62.58*	
		For Gate With Double Barb Wire Arm, Add	*91.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.66*	
		For Aluminized Steel Gate And Post, Add	*273.06*	
		For Powder Coated Gate And Post, Add	*147.91*	
32 31 13 13-0375	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	812.78	63.49
		For Gate With Single Barb Wire Arm, Add	*68.44*	
		For Gate With Double Barb Wire Arm, Add	*99.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.65*	
		For Aluminized Steel Gate And Post, Add	*298.63*	
		For Powder Coated Gate And Post, Add	*161.76*	
32 31 13 13-0376	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,151.36	72.67
		For Gate With Single Barb Wire Arm, Add	*102.65*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Aluminized Steel Gate And Post, Add	*447.95*	
		For Powder Coated Gate And Post, Add	*242.64*	
32 31 13 13-0377	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,251.04	78.16
		For Gate With Single Barb Wire Arm, Add	*111.78*	
		For Gate With Double Barb Wire Arm, Add	*162.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.54*	
		For Aluminized Steel Gate And Post, Add	*487.78*	
		For Powder Coated Gate And Post, Add	*264.21*	
32 31 13 13-0378	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,419.99	84.77
		For Gate With Single Barb Wire Arm, Add	*128.21*	
		For Gate With Double Barb Wire Arm, Add	*186.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-218.53*	
		For Aluminized Steel Gate And Post, Add	*559.44*	
		For Powder Coated Gate And Post, Add	*303.03*	
32 31 13 13-0379	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,608.93	92.42
		For Gate With Single Barb Wire Arm, Add	*146.46*	
		For Gate With Double Barb Wire Arm, Add	*213.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.64*	
		For Aluminized Steel Gate And Post, Add	*639.08*	
		For Powder Coated Gate And Post, Add	*346.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,802.70	101.70
		For Gate With Single Barb Wire Arm, Add	*164.70*	
		For Gate With Double Barb Wire Arm, Add	*239.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.75*	
		For Aluminized Steel Gate And Post, Add	*718.71*	
		For Powder Coated Gate And Post, Add	*389.30*	
32 31 13 13-0381	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,003.41	112.94
		For Gate With Single Barb Wire Arm, Add	*183.07*	
		For Gate With Double Barb Wire Arm, Add	*266.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-312.05*	
		For Aluminized Steel Gate And Post, Add	*798.84*	
		For Powder Coated Gate And Post, Add	*432.71*	
32 31 13 13-0382	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,212.94	127.12
		For Gate With Single Barb Wire Arm, Add	*201.43*	
		For Gate With Double Barb Wire Arm, Add	*292.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-343.35*	
		For Aluminized Steel Gate And Post, Add	*878.98*	
		For Powder Coated Gate And Post, Add	*476.11*	
32 31 13 13-0383	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,433.11	145.16
		For Gate With Single Barb Wire Arm, Add	*219.68*	
		For Gate With Double Barb Wire Arm, Add	*319.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-374.46*	
		For Aluminized Steel Gate And Post, Add	*958.61*	
		For Powder Coated Gate And Post, Add	*519.25*	
32 31 13 13-0384	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,672.00	169.47
		For Gate With Single Barb Wire Arm, Add	*237.93*	
		For Gate With Double Barb Wire Arm, Add	*346.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-405.57*	
		For Aluminized Steel Gate And Post, Add	*1,038.25*	
		For Powder Coated Gate And Post, Add	*562.39*	
32 31 13 13-0385	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,939.15	203.22
		For Gate With Single Barb Wire Arm, Add	*256.18*	
		For Gate With Double Barb Wire Arm, Add	*372.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-436.67*	
		For Aluminized Steel Gate And Post, Add	*1,117.88*	
		For Powder Coated Gate And Post, Add	*605.52*	
32 31 13 13-0386	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,260.37	254.24
		For Gate With Single Barb Wire Arm, Add	*274.66*	
		For Gate With Double Barb Wire Arm, Add	*399.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-468.17*	
		For Aluminized Steel Gate And Post, Add	*1,198.51*	
		For Powder Coated Gate And Post, Add	*649.19*	

32 31 13 13-0387 12' Fence Height *(32 31 13 13-0266)*

32 31 13 13-0388	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	383.04	30.84
		For Gate With Single Barb Wire Arm, Add	*31.94*	
		For Gate With Double Barb Wire Arm, Add	*46.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.45*	
		For Aluminized Steel Gate And Post, Add	*139.39*	
		For Powder Coated Gate And Post, Add	*75.50*	
32 31 13 13-0389	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	479.83	30.84
		For Gate With Single Barb Wire Arm, Add	*42.59*	
		For Gate With Double Barb Wire Arm, Add	*61.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.60*	
		For Aluminized Steel Gate And Post, Add	*185.85*	
		For Powder Coated Gate And Post, Add	*100.67*	
32 31 13 13-0390	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	551.45	31.97
		For Gate With Single Barb Wire Arm, Add	*50.09*	
		For Gate With Double Barb Wire Arm, Add	*72.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.38*	
		For Aluminized Steel Gate And Post, Add	*218.58*	
		For Powder Coated Gate And Post, Add	*118.40*	
32 31 13 13-0391	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	642.91	39.70
		For Gate With Single Barb Wire Arm, Add	*57.59*	
		For Gate With Double Barb Wire Arm, Add	*83.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.17*	
		For Aluminized Steel Gate And Post, Add	*251.32*	
		For Powder Coated Gate And Post, Add	*136.13*	
32 31 13 13-0392	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	734.35	47.50
		For Gate With Single Barb Wire Arm, Add	*65.09*	
		For Gate With Double Barb Wire Arm, Add	*94.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.95*	
		For Aluminized Steel Gate And Post, Add	*284.04*	
		For Powder Coated Gate And Post, Add	*153.86*	
32 31 13 13-0393	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	825.07	55.01
		For Gate With Single Barb Wire Arm, Add	*72.59*	
		For Gate With Double Barb Wire Arm, Add	*105.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.74*	
		For Aluminized Steel Gate And Post, Add	*316.78*	
		For Powder Coated Gate And Post, Add	*171.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	916.52	62.74
		For Gate With Single Barb Wire Arm, Add	*80.10*	
		For Gate With Double Barb Wire Arm, Add	*116.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-136.53*	
		For Aluminized Steel Gate And Post, Add	*349.51*	
		For Powder Coated Gate And Post, Add	*189.32*	
32 31 13 13-0395	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,007.99	70.48
		For Gate With Single Barb Wire Arm, Add	*87.60*	
		For Gate With Double Barb Wire Arm, Add	*127.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.31*	
		For Aluminized Steel Gate And Post, Add	*382.24*	
		For Powder Coated Gate And Post, Add	*207.05*	
32 31 13 13-0396	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,351.88	80.74
		For Gate With Single Barb Wire Arm, Add	*122.05*	
		For Gate With Double Barb Wire Arm, Add	*177.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.03*	
		For Aluminized Steel Gate And Post, Add	*532.56*	
		For Powder Coated Gate And Post, Add	*288.47*	
32 31 13 13-0397	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,480.29	86.92
		For Gate With Single Barb Wire Arm, Add	*134.14*	
		For Gate With Double Barb Wire Arm, Add	*195.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.64*	
		For Aluminized Steel Gate And Post, Add	*585.32*	
		For Powder Coated Gate And Post, Add	*317.05*	
32 31 13 13-0398	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,680.54	94.14
		For Gate With Single Barb Wire Arm, Add	*153.75*	
		For Gate With Double Barb Wire Arm, Add	*223.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.08*	
		For Aluminized Steel Gate And Post, Add	*670.93*	
		For Powder Coated Gate And Post, Add	*363.42*	
32 31 13 13-0399	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,905.26	102.64
		For Gate With Single Barb Wire Arm, Add	*175.65*	
		For Gate With Double Barb Wire Arm, Add	*255.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-299.41*	
		For Aluminized Steel Gate And Post, Add	*766.49*	
		For Powder Coated Gate And Post, Add	*415.18*	
32 31 13 13-0400	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,135.10	113.04
		For Gate With Single Barb Wire Arm, Add	*197.55*	
		For Gate With Double Barb Wire Arm, Add	*287.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-336.74*	
		For Aluminized Steel Gate And Post, Add	*862.06*	
		For Powder Coated Gate And Post, Add	*466.95*	
32 31 13 13-0401	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,373.82	125.49
		For Gate With Single Barb Wire Arm, Add	*219.68*	
		For Gate With Double Barb Wire Arm, Add	*319.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-374.46*	
		For Aluminized Steel Gate And Post, Add	*958.61*	
		For Powder Coated Gate And Post, Add	*519.25*	
32 31 13 13-0402	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,620.35	141.21
		For Gate With Single Barb Wire Arm, Add	*241.58*	
		For Gate With Double Barb Wire Arm, Add	*351.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-411.79*	
		For Aluminized Steel Gate And Post, Add	*1,054.18*	
		For Powder Coated Gate And Post, Add	*571.01*	
32 31 13 13-0403	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,881.80	161.30
		For Gate With Single Barb Wire Arm, Add	*263.71*	
		For Gate With Double Barb Wire Arm, Add	*383.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-449.51*	
		For Aluminized Steel Gate And Post, Add	*1,150.73*	
		For Powder Coated Gate And Post, Add	*623.31*	
32 31 13 13-0404	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,159.91	188.36
		For Gate With Single Barb Wire Arm, Add	*285.38*	
		For Gate With Double Barb Wire Arm, Add	*415.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-486.44*	
		For Aluminized Steel Gate And Post, Add	*1,245.30*	
		For Powder Coated Gate And Post, Add	*674.54*	
32 31 13 13-0405	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,471.51	225.81
		For Gate With Single Barb Wire Arm, Add	*307.28*	
		For Gate With Double Barb Wire Arm, Add	*446.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-523.77*	
		For Aluminized Steel Gate And Post, Add	*1,340.86*	
		For Powder Coated Gate And Post, Add	*726.30*	
32 31 13 13-0406	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,842.92	282.49
		For Gate With Single Barb Wire Arm, Add	*329.41*	
		For Gate With Double Barb Wire Arm, Add	*479.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-561.49*	
		For Aluminized Steel Gate And Post, Add	*1,437.42*	
		For Powder Coated Gate And Post, Add	*778.60*	

32 31 13 13-0407 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0265)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0408 4' Fence Height *(32 31 13 13-0407)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0409	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	194.67	18.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.95*	
		For Gate With Single Barb Wire Arm, Add	*15.22*	
		For Gate With Double Barb Wire Arm, Add	*22.14*	
32 31 13 13-0410	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	240.80	18.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.60*	
		For Gate With Single Barb Wire Arm, Add	*20.30*	
		For Gate With Double Barb Wire Arm, Add	*29.52*	
32 31 13 13-0411	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	283.00	19.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.81*	
		For Gate With Single Barb Wire Arm, Add	*24.53*	
		For Gate With Double Barb Wire Arm, Add	*35.67*	
32 31 13 13-0412	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	333.44	24.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.01*	
		For Gate With Single Barb Wire Arm, Add	*28.75*	
		For Gate With Double Barb Wire Arm, Add	*41.82*	
32 31 13 13-0413	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	383.88	27.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.22*	
		For Gate With Single Barb Wire Arm, Add	*32.98*	
		For Gate With Double Barb Wire Arm, Add	*47.97*	
32 31 13 13-0414	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	434.35	31.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.43*	
		For Gate With Single Barb Wire Arm, Add	*37.21*	
		For Gate With Double Barb Wire Arm, Add	*54.12*	
32 31 13 13-0415	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	484.79	36.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.63*	
		For Gate With Single Barb Wire Arm, Add	*41.44*	
		For Gate With Double Barb Wire Arm, Add	*60.27*	
32 31 13 13-0416	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	535.23	40.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.84*	
		For Gate With Single Barb Wire Arm, Add	*45.67*	
		For Gate With Double Barb Wire Arm, Add	*66.42*	
32 31 13 13-0417	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	673.61	40.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.79*	
		For Gate With Single Barb Wire Arm, Add	*60.89*	
		For Gate With Double Barb Wire Arm, Add	*88.56*	
32 31 13 13-0418	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	792.90	42.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.55*	
		For Gate With Single Barb Wire Arm, Add	*73.07*	
		For Gate With Double Barb Wire Arm, Add	*106.28*	
32 31 13 13-0419	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	913.50	46.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.30*	
		For Gate With Single Barb Wire Arm, Add	*85.24*	
		For Gate With Double Barb Wire Arm, Add	*123.99*	
32 31 13 13-0420	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,035.77	49.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.06*	
		For Gate With Single Barb Wire Arm, Add	*97.42*	
		For Gate With Double Barb Wire Arm, Add	*141.71*	
32 31 13 13-0421	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,179.60	60.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-186.82*	
		For Gate With Single Barb Wire Arm, Add	*109.60*	
		For Gate With Double Barb Wire Arm, Add	*159.42*	
32 31 13 13-0422	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,303.39	65.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-207.58*	
		For Gate With Single Barb Wire Arm, Add	*121.78*	
		For Gate With Double Barb Wire Arm, Add	*177.13*	
32 31 13 13-0423	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,429.20	70.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.33*	
		For Gate With Single Barb Wire Arm, Add	*133.96*	
		For Gate With Double Barb Wire Arm, Add	*194.84*	
32 31 13 13-0424	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,557.52	76.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.09*	
		For Gate With Single Barb Wire Arm, Add	*146.13*	
		For Gate With Double Barb Wire Arm, Add	*212.56*	
32 31 13 13-0425	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,689.06	83.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-269.85*	
		For Gate With Single Barb Wire Arm, Add	*158.31*	
		For Gate With Double Barb Wire Arm, Add	*230.27*	
32 31 13 13-0426	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,824.76	91.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-290.61*	
		For Gate With Single Barb Wire Arm, Add	*170.49*	
		For Gate With Double Barb Wire Arm, Add	*247.98*	
32 31 13 13-0427	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,965.99	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-311.36*	
		For Gate With Single Barb Wire Arm, Add	*182.67*	
		For Gate With Double Barb Wire Arm, Add	*265.70*	

32 31 13 13-0428 5' Fence Height *(32 31 13 13-0407)*

32 31 13 13-0429	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	231.52	19.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.15*	
		For Gate With Single Barb Wire Arm, Add	*18.86*	
		For Gate With Double Barb Wire Arm, Add	*27.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0430	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	288.68	19.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.87*	
		For Gate With Single Barb Wire Arm, Add	*25.15*	
		For Gate With Double Barb Wire Arm, Add	*36.58*	
32 31 13 13-0431	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	335.32	21.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.91*	
		For Gate With Single Barb Wire Arm, Add	*29.87*	
		For Gate With Double Barb Wire Arm, Add	*43.44*	
32 31 13 13-0432	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	390.93	25.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.95*	
		For Gate With Single Barb Wire Arm, Add	*34.58*	
		For Gate With Double Barb Wire Arm, Add	*50.30*	
32 31 13 13-0433	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	446.56	29.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.98*	
		For Gate With Single Barb Wire Arm, Add	*39.30*	
		For Gate With Double Barb Wire Arm, Add	*57.16*	
32 31 13 13-0434	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	502.93	34.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.02*	
		For Gate With Single Barb Wire Arm, Add	*44.01*	
		For Gate With Double Barb Wire Arm, Add	*64.02*	
32 31 13 13-0435	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	558.57	38.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.06*	
		For Gate With Single Barb Wire Arm, Add	*48.73*	
		For Gate With Double Barb Wire Arm, Add	*70.88*	
32 31 13 13-0436	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	614.19	42.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-91.10*	
		For Gate With Single Barb Wire Arm, Add	*53.44*	
		For Gate With Double Barb Wire Arm, Add	*77.74*	
32 31 13 13-0437	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	814.56	42.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.61*	
		For Gate With Single Barb Wire Arm, Add	*75.45*	
		For Gate With Double Barb Wire Arm, Add	*109.74*	
32 31 13 13-0438	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	961.63	46.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-154.33*	
		For Gate With Single Barb Wire Arm, Add	*90.54*	
		For Gate With Double Barb Wire Arm, Add	*131.69*	
32 31 13 13-0439	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,110.37	49.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-180.05*	
		For Gate With Single Barb Wire Arm, Add	*105.63*	
		For Gate With Double Barb Wire Arm, Add	*153.64*	
32 31 13 13-0440	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,280.69	60.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-205.77*	
		For Gate With Single Barb Wire Arm, Add	*120.72*	
		For Gate With Double Barb Wire Arm, Add	*175.59*	
32 31 13 13-0441	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,430.95	65.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.49*	
		For Gate With Single Barb Wire Arm, Add	*135.81*	
		For Gate With Double Barb Wire Arm, Add	*197.54*	
32 31 13 13-0442	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,583.23	70.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.21*	
		For Gate With Single Barb Wire Arm, Add	*150.90*	
		For Gate With Double Barb Wire Arm, Add	*219.49*	
32 31 13 13-0443	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,738.03	76.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-282.94*	
		For Gate With Single Barb Wire Arm, Add	*165.99*	
		For Gate With Double Barb Wire Arm, Add	*241.44*	
32 31 13 13-0444	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,896.04	83.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.66*	
		For Gate With Single Barb Wire Arm, Add	*181.08*	
		For Gate With Double Barb Wire Arm, Add	*263.39*	
32 31 13 13-0445	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,058.21	91.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.38*	
		For Gate With Single Barb Wire Arm, Add	*196.17*	
		For Gate With Double Barb Wire Arm, Add	*285.34*	
32 31 13 13-0446	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,225.92	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-360.10*	
		For Gate With Single Barb Wire Arm, Add	*211.26*	
		For Gate With Double Barb Wire Arm, Add	*307.28*	
32 31 13 13-0447	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,401.28	114.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-385.82*	
		For Gate With Single Barb Wire Arm, Add	*226.35*	
		For Gate With Double Barb Wire Arm, Add	*329.23*	
32 31 13 13-0448		6' Fence Height *(32 31 13 13-0407)*		
32 31 13 13-0449	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	247.59	21.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.36*	
		For Gate With Single Barb Wire Arm, Add	*20.16*	
		For Gate With Double Barb Wire Arm, Add	*29.32*	
32 31 13 13-0450	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	308.67	21.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.81*	
		For Gate With Single Barb Wire Arm, Add	*26.88*	
		For Gate With Double Barb Wire Arm, Add	*39.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0451	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	358.46	22.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.41*	
		For Gate With Single Barb Wire Arm, Add	*31.92*	
		For Gate With Double Barb Wire Arm, Add	*46.43*	
32 31 13 13-0452	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	418.54	27.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.00*	
		For Gate With Single Barb Wire Arm, Add	*36.96*	
		For Gate With Double Barb Wire Arm, Add	*53.76*	
32 31 13 13-0453	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	478.61	32.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.59*	
		For Gate With Single Barb Wire Arm, Add	*42.00*	
		For Gate With Double Barb Wire Arm, Add	*61.09*	
32 31 13 13-0454	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	537.93	36.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.18*	
		For Gate With Single Barb Wire Arm, Add	*47.04*	
		For Gate With Double Barb Wire Arm, Add	*68.42*	
32 31 13 13-0455	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	598.01	41.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.77*	
		For Gate With Single Barb Wire Arm, Add	*52.08*	
		For Gate With Double Barb Wire Arm, Add	*75.75*	
32 31 13 13-0456	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	658.09	46.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.36*	
		For Gate With Single Barb Wire Arm, Add	*57.12*	
		For Gate With Double Barb Wire Arm, Add	*83.08*	
32 31 13 13-0457	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	871.59	46.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.45*	
		For Gate With Single Barb Wire Arm, Add	*80.63*	
		For Gate With Double Barb Wire Arm, Add	*117.29*	
32 31 13 13-0458	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,029.75	49.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-164.93*	
		For Gate With Single Barb Wire Arm, Add	*96.76*	
		For Gate With Double Barb Wire Arm, Add	*140.74*	
32 31 13 13-0459	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,222.57	65.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-192.42*	
		For Gate With Single Barb Wire Arm, Add	*112.89*	
		For Gate With Double Barb Wire Arm, Add	*164.20*	
32 31 13 13-0460	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,384.28	70.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.91*	
		For Gate With Single Barb Wire Arm, Add	*129.01*	
		For Gate With Double Barb Wire Arm, Add	*187.66*	
32 31 13 13-0461	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,548.50	76.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-247.40*	
		For Gate With Single Barb Wire Arm, Add	*145.14*	
		For Gate With Double Barb Wire Arm, Add	*211.11*	
32 31 13 13-0462	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,743.03	83.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.97*	
		For Gate With Single Barb Wire Arm, Add	*164.25*	
		For Gate With Double Barb Wire Arm, Add	*238.91*	
32 31 13 13-0463	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,892.46	91.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-303.30*	
		For Gate With Single Barb Wire Arm, Add	*177.94*	
		For Gate With Double Barb Wire Arm, Add	*258.82*	
32 31 13 13-0464	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,064.68	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-329.87*	
		For Gate With Single Barb Wire Arm, Add	*193.52*	
		For Gate With Double Barb Wire Arm, Add	*281.49*	
32 31 13 13-0465	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,249.46	114.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-357.35*	
		For Gate With Single Barb Wire Arm, Add	*209.65*	
		For Gate With Double Barb Wire Arm, Add	*304.94*	
32 31 13 13-0466	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,445.14	130.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-384.84*	
		For Gate With Single Barb Wire Arm, Add	*225.78*	
		For Gate With Double Barb Wire Arm, Add	*328.40*	
32 31 13 13-0467	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,657.19	152.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-412.33*	
		For Gate With Single Barb Wire Arm, Add	*241.90*	
		For Gate With Double Barb Wire Arm, Add	*351.86*	
32 31 13 13-0468		**7' Fence Height** *(32 31 13 13-0407)*		
32 31 13 13-0469	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	261.76	23.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.09*	
		For Gate With Single Barb Wire Arm, Add	*21.17*	
		For Gate With Double Barb Wire Arm, Add	*30.80*	
32 31 13 13-0470	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.93	23.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.12*	
		For Gate With Single Barb Wire Arm, Add	*28.23*	
		For Gate With Double Barb Wire Arm, Add	*41.06*	
32 31 13 13-0471	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	377.59	24.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.15*	
		For Gate With Single Barb Wire Arm, Add	*33.53*	
		For Gate With Double Barb Wire Arm, Add	*48.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0472	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	441.46	29.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.17*	
		For Gate With Single Barb Wire Arm, Add	*38.82*	
		For Gate With Double Barb Wire Arm, Add	*56.46*	
32 31 13 13-0473	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	504.59	34.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.19*	
		For Gate With Single Barb Wire Arm, Add	*44.11*	
		For Gate With Double Barb Wire Arm, Add	*64.16*	
32 31 13 13-0474	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	568.49	39.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.22*	
		For Gate With Single Barb Wire Arm, Add	*49.41*	
		For Gate With Double Barb Wire Arm, Add	*71.87*	
32 31 13 13-0475	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	631.61	44.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.24*	
		For Gate With Single Barb Wire Arm, Add	*54.70*	
		For Gate With Double Barb Wire Arm, Add	*79.56*	
32 31 13 13-0476	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	695.51	49.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.26*	
		For Gate With Single Barb Wire Arm, Add	*59.99*	
		For Gate With Double Barb Wire Arm, Add	*87.26*	
32 31 13 13-0477	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	920.07	49.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.37*	
		For Gate With Single Barb Wire Arm, Add	*84.70*	
		For Gate With Double Barb Wire Arm, Add	*123.19*	
32 31 13 13-0478	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,120.26	65.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-173.24*	
		For Gate With Single Barb Wire Arm, Add	*101.63*	
		For Gate With Double Barb Wire Arm, Add	*147.83*	
32 31 13 13-0479	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,289.36	70.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.11*	
		For Gate With Single Barb Wire Arm, Add	*118.57*	
		For Gate With Double Barb Wire Arm, Add	*172.47*	
32 31 13 13-0480	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,460.95	76.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-230.98*	
		For Gate With Single Barb Wire Arm, Add	*135.51*	
		For Gate With Double Barb Wire Arm, Add	*197.11*	
32 31 13 13-0481	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,635.79	83.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-259.86*	
		For Gate With Single Barb Wire Arm, Add	*152.45*	
		For Gate With Double Barb Wire Arm, Add	*221.75*	
32 31 13 13-0482	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,814.75	91.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.73*	
		For Gate With Single Barb Wire Arm, Add	*169.39*	
		For Gate With Double Barb Wire Arm, Add	*246.38*	
32 31 13 13-0483	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,999.25	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.60*	
		For Gate With Single Barb Wire Arm, Add	*186.32*	
		For Gate With Double Barb Wire Arm, Add	*271.02*	
32 31 13 13-0484	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,191.44	114.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.48*	
		For Gate With Single Barb Wire Arm, Add	*203.27*	
		For Gate With Double Barb Wire Arm, Add	*295.66*	
32 31 13 13-0485	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,394.52	130.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-375.35*	
		For Gate With Single Barb Wire Arm, Add	*220.21*	
		For Gate With Double Barb Wire Arm, Add	*320.30*	
32 31 13 13-0486	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,613.93	152.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-404.22*	
		For Gate With Single Barb Wire Arm, Add	*237.14*	
		For Gate With Double Barb Wire Arm, Add	*344.94*	
32 31 13 13-0487	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,859.56	183.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-433.10*	
		For Gate With Single Barb Wire Arm, Add	*254.08*	
		For Gate With Double Barb Wire Arm, Add	*369.58*	

32 31 13 13-0488 8' Fence Height *(32 31 13 13-0407)*

32 31 13 13-0489	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	308.35	25.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.74*	
		For Gate With Single Barb Wire Arm, Add	*25.66*	
		For Gate With Double Barb Wire Arm, Add	*37.33*	
32 31 13 13-0490	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	386.12	25.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.33*	
		For Gate With Single Barb Wire Arm, Add	*34.22*	
		For Gate With Double Barb Wire Arm, Add	*49.77*	
32 31 13 13-0491	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	437.97	25.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.05*	
		For Gate With Single Barb Wire Arm, Add	*39.92*	
		For Gate With Double Barb Wire Arm, Add	*58.07*	
32 31 13 13-0492	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	509.34	31.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.77*	
		For Gate With Single Barb Wire Arm, Add	*45.62*	
		For Gate With Double Barb Wire Arm, Add	*66.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0493	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	580.69	37.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.49*	
		For Gate With Single Barb Wire Arm, Add	*51.33*	
		For Gate With Double Barb Wire Arm, Add	*74.66*	
32 31 13 13-0494	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	651.30	44.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.21*	
		For Gate With Single Barb Wire Arm, Add	*57.03*	
		For Gate With Double Barb Wire Arm, Add	*82.95*	
32 31 13 13-0495	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	722.67	50.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.93*	
		For Gate With Single Barb Wire Arm, Add	*62.73*	
		For Gate With Double Barb Wire Arm, Add	*91.25*	
32 31 13 13-0496	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	794.01	57.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.65*	
		For Gate With Single Barb Wire Arm, Add	*68.44*	
		For Gate With Double Barb Wire Arm, Add	*99.54*	
32 31 13 13-0497	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,129.54	65.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Gate With Single Barb Wire Arm, Add	*102.65*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
32 31 13 13-0498	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,331.28	70.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.97*	
		For Gate With Single Barb Wire Arm, Add	*123.18*	
		For Gate With Double Barb Wire Arm, Add	*179.18*	
32 31 13 13-0499	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,535.54	76.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.97*	
		For Gate With Single Barb Wire Arm, Add	*143.72*	
		For Gate With Double Barb Wire Arm, Add	*209.04*	
32 31 13 13-0500	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,743.02	83.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.97*	
		For Gate With Single Barb Wire Arm, Add	*164.25*	
		For Gate With Double Barb Wire Arm, Add	*238.90*	
32 31 13 13-0501	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,954.65	91.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-314.96*	
		For Gate With Single Barb Wire Arm, Add	*184.78*	
		For Gate With Double Barb Wire Arm, Add	*268.77*	
32 31 13 13-0502	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,171.82	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-349.96*	
		For Gate With Single Barb Wire Arm, Add	*205.31*	
		For Gate With Double Barb Wire Arm, Add	*298.63*	
32 31 13 13-0503	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,396.65	114.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-384.95*	
		For Gate With Single Barb Wire Arm, Add	*225.84*	
		For Gate With Double Barb Wire Arm, Add	*328.49*	
32 31 13 13-0504	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,632.36	130.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-419.95*	
		For Gate With Single Barb Wire Arm, Add	*246.37*	
		For Gate With Double Barb Wire Arm, Add	*358.36*	
32 31 13 13-0505	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,884.44	152.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-454.94*	
		For Gate With Single Barb Wire Arm, Add	*266.90*	
		For Gate With Double Barb Wire Arm, Add	*388.22*	
32 31 13 13-0506	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,162.71	183.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-489.94*	
		For Gate With Single Barb Wire Arm, Add	*287.43*	
		For Gate With Double Barb Wire Arm, Add	*418.08*	
32 31 13 13-0507	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,486.78	228.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.93*	
		For Gate With Single Barb Wire Arm, Add	*307.96*	
		For Gate With Double Barb Wire Arm, Add	*447.94*	

32 31 13 13-0508 10' Fence Height *(32 31 13 13-0407)*

32 31 13 13-0509	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	354.03	27.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.75*	
		For Gate With Single Barb Wire Arm, Add	*29.77*	
		For Gate With Double Barb Wire Arm, Add	*43.30*	
32 31 13 13-0510	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	444.25	27.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.66*	
		For Gate With Single Barb Wire Arm, Add	*39.69*	
		For Gate With Double Barb Wire Arm, Add	*57.74*	
32 31 13 13-0511	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	508.07	28.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.94*	
		For Gate With Single Barb Wire Arm, Add	*46.31*	
		For Gate With Double Barb Wire Arm, Add	*67.36*	
32 31 13 13-0512	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	589.22	36.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.22*	
		For Gate With Single Barb Wire Arm, Add	*52.93*	
		For Gate With Double Barb Wire Arm, Add	*76.98*	
32 31 13 13-0513	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	669.63	42.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.49*	
		For Gate With Single Barb Wire Arm, Add	*59.54*	
		For Gate With Double Barb Wire Arm, Add	*86.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0514	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	750.79	49.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.77*	
		For Gate With Single Barb Wire Arm, Add	*66.16*	
		For Gate With Double Barb Wire Arm, Add	*96.23*	
32 31 13 13-0515	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	831.20	56.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.05*	
		For Gate With Single Barb Wire Arm, Add	*72.77*	
		For Gate With Double Barb Wire Arm, Add	*105.85*	
32 31 13 13-0516	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	912.36	63.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.32*	
		For Gate With Single Barb Wire Arm, Add	*79.39*	
		For Gate With Double Barb Wire Arm, Add	*115.48*	
32 31 13 13-0517	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,300.72	72.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.98*	
		For Gate With Single Barb Wire Arm, Add	*119.08*	
		For Gate With Double Barb Wire Arm, Add	*173.21*	
32 31 13 13-0518	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,533.93	78.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.58*	
		For Gate With Single Barb Wire Arm, Add	*142.90*	
		For Gate With Double Barb Wire Arm, Add	*207.85*	
32 31 13 13-0519	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,770.10	84.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.18*	
		For Gate With Single Barb Wire Arm, Add	*166.72*	
		For Gate With Double Barb Wire Arm, Add	*242.50*	
32 31 13 13-0520	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,009.64	92.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-324.77*	
		For Gate With Single Barb Wire Arm, Add	*190.53*	
		For Gate With Double Barb Wire Arm, Add	*277.14*	
32 31 13 13-0521	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,254.03	101.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-365.37*	
		For Gate With Single Barb Wire Arm, Add	*214.35*	
		For Gate With Double Barb Wire Arm, Add	*311.78*	
32 31 13 13-0522	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,504.30	112.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-405.97*	
		For Gate With Single Barb Wire Arm, Add	*238.17*	
		For Gate With Double Barb Wire Arm, Add	*346.42*	
32 31 13 13-0523	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,763.41	127.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-446.56*	
		For Gate With Single Barb Wire Arm, Add	*261.98*	
		For Gate With Double Barb Wire Arm, Add	*381.07*	
32 31 13 13-0524	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,034.18	145.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-487.16*	
		For Gate With Single Barb Wire Arm, Add	*285.80*	
		For Gate With Double Barb Wire Arm, Add	*415.71*	
32 31 13 13-0525	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,323.68	169.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-527.76*	
		For Gate With Single Barb Wire Arm, Add	*309.62*	
		For Gate With Double Barb Wire Arm, Add	*450.35*	
32 31 13 13-0526	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,641.44	203.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-568.35*	
		For Gate With Single Barb Wire Arm, Add	*333.43*	
		For Gate With Double Barb Wire Arm, Add	*484.99*	
32 31 13 13-0527	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,011.20	254.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-608.95*	
		For Gate With Single Barb Wire Arm, Add	*357.25*	
		For Gate With Double Barb Wire Arm, Add	*519.64*	

32 31 13 13-0528 12' Fence Height *(32 31 13 13-0407)*

32 31 13 13-0529	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	470.09	30.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.77*	
		For Gate With Single Barb Wire Arm, Add	*41.52*	
		For Gate With Double Barb Wire Arm, Add	*60.39*	
32 31 13 13-0530	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	595.56	30.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.30*	
		For Gate With Single Barb Wire Arm, Add	*55.32*	
		For Gate With Double Barb Wire Arm, Add	*80.47*	
32 31 13 13-0531	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	692.30	31.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.79*	
		For Gate With Single Barb Wire Arm, Add	*65.59*	
		For Gate With Double Barb Wire Arm, Add	*95.40*	
32 31 13 13-0532	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	793.33	39.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.38*	
		For Gate With Single Barb Wire Arm, Add	*74.14*	
		For Gate With Double Barb Wire Arm, Add	*107.84*	
32 31 13 13-0533	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	903.01	47.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.58*	
		For Gate With Single Barb Wire Arm, Add	*83.65*	
		For Gate With Double Barb Wire Arm, Add	*121.67*	
32 31 13 13-0534	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,011.94	55.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.78*	
		For Gate With Single Barb Wire Arm, Add	*93.15*	
		For Gate With Double Barb Wire Arm, Add	*135.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0535	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,121.61	62.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Gate With Single Barb Wire Arm, Add	*102.66*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
32 31 13 13-0536	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,222.65	70.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.56*	
		For Gate With Single Barb Wire Arm, Add	*111.21*	
		For Gate With Double Barb Wire Arm, Add	*161.76*	
32 31 13 13-0537	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,758.27	80.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.25*	
		For Gate With Single Barb Wire Arm, Add	*166.76*	
		For Gate With Double Barb Wire Arm, Add	*242.56*	
32 31 13 13-0538	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,129.40	86.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.35*	
		For Gate With Single Barb Wire Arm, Add	*205.54*	
		For Gate With Double Barb Wire Arm, Add	*298.96*	
32 31 13 13-0539	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,464.45	94.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-409.07*	
		For Gate With Single Barb Wire Arm, Add	*239.98*	
		For Gate With Double Barb Wire Arm, Add	*349.07*	
32 31 13 13-0540	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,801.16	102.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-467.39*	
		For Gate With Single Barb Wire Arm, Add	*274.20*	
		For Gate With Double Barb Wire Arm, Add	*398.84*	
32 31 13 13-0541	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,139.00	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.94*	
		For Gate With Single Barb Wire Arm, Add	*307.96*	
		For Gate With Double Barb Wire Arm, Add	*447.95*	
32 31 13 13-0542	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,487.47	125.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-583.27*	
		For Gate With Single Barb Wire Arm, Add	*342.18*	
		For Gate With Double Barb Wire Arm, Add	*497.72*	
32 31 13 13-0543	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,845.99	141.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-641.60*	
		For Gate With Single Barb Wire Arm, Add	*376.40*	
		For Gate With Double Barb Wire Arm, Add	*547.49*	
32 31 13 13-0544	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,217.35	161.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-699.92*	
		For Gate With Single Barb Wire Arm, Add	*410.62*	
		For Gate With Double Barb Wire Arm, Add	*597.27*	
32 31 13 13-0545	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,619.90	188.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-760.19*	
		For Gate With Single Barb Wire Arm, Add	*445.98*	
		For Gate With Double Barb Wire Arm, Add	*648.70*	
32 31 13 13-0546	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,043.48	225.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-818.52*	
		For Gate With Single Barb Wire Arm, Add	*480.20*	
		For Gate With Double Barb Wire Arm, Add	*698.47*	
32 31 13 13-0547	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,524.81	282.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-876.85*	
		For Gate With Single Barb Wire Arm, Add	*514.42*	
		For Gate With Double Barb Wire Arm, Add	*748.24*	

32 31 13 13-0548 Sliding Gate *(32 31 13 13-0265)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0549 4' High Sliding Gate *(32 31 13 13-0548)*

32 31 13 13-0550	EA	10' Long x 4' High Sliding Gate	1,562.38	278.80
		For Gate With Barb Wire Arm, Add	*110.52*	
		For Vinyl Coated, Add	*301.42*	
32 31 13 13-0551	EA	12' Long x 4' High Sliding Gate	1,878.81	336.61
		For Gate With Barb Wire Arm, Add	*132.63*	
		For Vinyl Coated, Add	*361.71*	
32 31 13 13-0552	EA	14' Long x 4' High Sliding Gate	2,192.11	392.70
		For Gate With Barb Wire Arm, Add	*154.73*	
		For Vinyl Coated, Add	*421.99*	
32 31 13 13-0553	EA	16' Long x 4' High Sliding Gate	2,510.29	451.36
		For Gate With Barb Wire Arm, Add	*176.84*	
		For Vinyl Coated, Add	*482.28*	
32 31 13 13-0554	EA	18' Long x 4' High Sliding Gate	2,824.12	507.78
		For Gate With Barb Wire Arm, Add	*198.94*	
		For Vinyl Coated, Add	*542.57*	
32 31 13 13-0555	EA	20' Long x 4' High Sliding Gate	3,127.51	558.98
		For Gate With Barb Wire Arm, Add	*221.05*	
		For Vinyl Coated, Add	*602.85*	
32 31 13 13-0556	EA	24' Long x 4' High Sliding Gate	3,739.96	673.12
		For Gate With Barb Wire Arm, Add	*263.31*	
		For Vinyl Coated, Add	*718.11*	
32 31 13 13-0557	EA	30' Long x 4' High Sliding Gate	5,555.40	1,270.59
		For Gate With Barb Wire Arm, Add	*331.57*	
		For Vinyl Coated, Add	*904.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0558	EA	40' Long x 4' High Sliding Gate	7,407.19	1,694.11
		For Gate With Barb Wire Arm, Add	*442.09*	
		For Vinyl Coated, Add	*1,205.69*	
32 31 13 13-0559		**5' High Sliding Gate** *(32 31 13 13-0548)*		
32 31 13 13-0560	EA	10' Long x 5' High Sliding Gate	1,641.16	303.45
		For Gate With Barb Wire Arm, Add	*113.77*	
		For Vinyl Coated, Add	*310.28*	
32 31 13 13-0561	EA	12' Long x 5' High Sliding Gate	1,968.56	363.75
		For Gate With Barb Wire Arm, Add	*136.52*	
		For Vinyl Coated, Add	*372.34*	
32 31 13 13-0562	EA	14' Long x 5' High Sliding Gate	2,296.51	424.30
		For Gate With Barb Wire Arm, Add	*159.28*	
		For Vinyl Coated, Add	*434.40*	
32 31 13 13-0563	EA	16' Long x 5' High Sliding Gate	2,624.81	485.03
		For Gate With Barb Wire Arm, Add	*182.03*	
		For Vinyl Coated, Add	*496.45*	
32 31 13 13-0564	EA	18' Long x 5' High Sliding Gate	2,952.72	545.49
		For Gate With Barb Wire Arm, Add	*204.79*	
		For Vinyl Coated, Add	*558.51*	
32 31 13 13-0565	EA	20' Long x 5' High Sliding Gate	3,280.85	606.13
		For Gate With Barb Wire Arm, Add	*227.54*	
		For Vinyl Coated, Add	*620.57*	
32 31 13 13-0566	EA	24' Long x 5' High Sliding Gate	3,920.44	728.18
		For Gate With Barb Wire Arm, Add	*271.05*	
		For Vinyl Coated, Add	*739.22*	
32 31 13 13-0567	EA	30' Long x 5' High Sliding Gate	4,921.59	909.41
		For Gate With Barb Wire Arm, Add	*341.31*	
		For Vinyl Coated, Add	*930.85*	
32 31 13 13-0568	EA	40' Long x 5' High Sliding Gate	6,561.70	1,212.26
		For Gate With Barb Wire Arm, Add	*455.08*	
		For Vinyl Coated, Add	*1,241.13*	
32 31 13 13-0569		**6' High Sliding Gate** *(32 31 13 13-0548)*		
32 31 13 13-0570	EA	10' Long x 6' High Sliding Gate	1,766.41	355.77
		For Gate With Barb Wire Arm, Add	*116.04*	
		For Vinyl Coated, Add	*316.49*	
32 31 13 13-0571	EA	12' Long x 6' High Sliding Gate	2,117.19	425.59
		For Gate With Barb Wire Arm, Add	*139.25*	
		For Vinyl Coated, Add	*379.78*	
32 31 13 13-0572	EA	14' Long x 6' High Sliding Gate	2,469.88	496.45
		For Gate With Barb Wire Arm, Add	*162.46*	
		For Vinyl Coated, Add	*443.08*	
32 31 13 13-0573	EA	16' Long x 6' High Sliding Gate	2,822.91	567.48
		For Gate With Barb Wire Arm, Add	*185.67*	
		For Vinyl Coated, Add	*506.37*	
32 31 13 13-0574	EA	18' Long x 6' High Sliding Gate	3,175.61	638.34
		For Gate With Barb Wire Arm, Add	*208.88*	
		For Vinyl Coated, Add	*569.67*	
32 31 13 13-0575	EA	20' Long x 6' High Sliding Gate	3,533.10	711.61
		For Gate With Barb Wire Arm, Add	*232.09*	
		For Vinyl Coated, Add	*632.97*	
32 31 13 13-0576	EA	24' Long x 6' High Sliding Gate	4,215.80	851.27
		For Gate With Barb Wire Arm, Add	*276.46*	
		For Vinyl Coated, Add	*753.99*	
32 31 13 13-0577	EA	30' Long x 6' High Sliding Gate	5,293.49	1,064.36
		For Gate With Barb Wire Arm, Add	*348.13*	
		For Vinyl Coated, Add	*949.45*	
32 31 13 13-0578	EA	40' Long x 6' High Sliding Gate	7,056.82	1,418.49
		For Gate With Barb Wire Arm, Add	*464.18*	
		For Vinyl Coated, Add	*1,265.94*	
32 31 13 13-0579		**7' High Sliding Gate** *(32 31 13 13-0548)*		
32 31 13 13-0580	EA	10' Long x 7' High Sliding Gate	1,889.92	396.81
		For Gate With Barb Wire Arm, Add	*120.59*	
		For Vinyl Coated, Add	*328.89*	
32 31 13 13-0581	EA	12' Long x 7' High Sliding Gate	2,267.28	475.84
		For Gate With Barb Wire Arm, Add	*144.71*	
		For Vinyl Coated, Add	*394.67*	
32 31 13 13-0582	EA	14' Long x 7' High Sliding Gate	2,645.94	555.55
		For Gate With Barb Wire Arm, Add	*168.83*	
		For Vinyl Coated, Add	*460.44*	
32 31 13 13-0583	EA	16' Long x 7' High Sliding Gate	3,023.23	634.57
		For Gate With Barb Wire Arm, Add	*192.95*	
		For Vinyl Coated, Add	*526.22*	
32 31 13 13-0584	EA	18' Long x 7' High Sliding Gate	3,401.26	714.01
		For Gate With Barb Wire Arm, Add	*217.07*	
		For Vinyl Coated, Add	*592.00*	
32 31 13 13-0585	EA	20' Long x 7' High Sliding Gate	3,778.75	793.12
		For Gate With Barb Wire Arm, Add	*241.18*	
		For Vinyl Coated, Add	*657.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0586	EA	24' Long x 7' High Sliding Gate	4,515.19	951.67
		For Gate With Barb Wire Arm, Add	*287.30*	
		For Vinyl Coated, Add	*783.54*	
32 31 13 13-0587	EA	30' Long x 7' High Sliding Gate	5,668.11	1,189.60
		For Gate With Barb Wire Arm, Add	*361.77*	
		For Vinyl Coated, Add	*986.66*	
32 31 13 13-0588	EA	40' Long x 7' High Sliding Gate	7,557.49	1,586.16
		For Gate With Barb Wire Arm, Add	*482.37*	
		For Vinyl Coated, Add	*1,315.55*	
32 31 13 13-0589		8' High Sliding Gate *(32 31 13 13-0548)*		
32 31 13 13-0590	EA	10' Long x 8' High Sliding Gate	1,988.54	429.89
		For Gate With Barb Wire Arm, Add	*124.16*	
		For Vinyl Coated, Add	*338.63*	
32 31 13 13-0591	EA	12' Long x 8' High Sliding Gate	2,383.78	514.66
		For Gate With Barb Wire Arm, Add	*149.00*	
		For Vinyl Coated, Add	*406.36*	
32 31 13 13-0592	EA	14' Long x 8' High Sliding Gate	2,781.12	600.47
		For Gate With Barb Wire Arm, Add	*173.83*	
		For Vinyl Coated, Add	*474.08*	
32 31 13 13-0593	EA	16' Long x 8' High Sliding Gate	3,178.65	686.27
		For Gate With Barb Wire Arm, Add	*198.66*	
		For Vinyl Coated, Add	*541.81*	
32 31 13 13-0594	EA	18' Long x 8' High Sliding Gate	3,575.19	771.74
		For Gate With Barb Wire Arm, Add	*223.50*	
		For Vinyl Coated, Add	*609.53*	
32 31 13 13-0595	EA	20' Long x 8' High Sliding Gate	3,972.79	857.62
		For Gate With Barb Wire Arm, Add	*248.33*	
		For Vinyl Coated, Add	*677.26*	
32 31 13 13-0596	EA	24' Long x 8' High Sliding Gate	4,747.69	1,029.23
		For Gate With Barb Wire Arm, Add	*295.81*	
		For Vinyl Coated, Add	*806.75*	
32 31 13 13-0597	EA	30' Long x 8' High Sliding Gate	5,959.83	1,286.73
		For Gate With Barb Wire Arm, Add	*372.49*	
		For Vinyl Coated, Add	*1,015.89*	
32 31 13 13-0598	EA	40' Long x 8' High Sliding Gate	7,943.87	1,714.38
		For Gate With Barb Wire Arm, Add	*496.66*	
		For Vinyl Coated, Add	*1,354.52*	
32 31 13 13-0599		9' High Sliding Gate *(32 31 13 13-0548)*		
32 31 13 13-0600	EA	10' Long x 9' High Sliding Gate	2,105.10	468.96
		For Gate With Barb Wire Arm, Add	*128.39*	
		For Vinyl Coated, Add	*350.15*	
32 31 13 13-0601	EA	12' Long x 9' High Sliding Gate	2,522.61	561.04
		For Gate With Barb Wire Arm, Add	*154.06*	
		For Vinyl Coated, Add	*420.18*	
32 31 13 13-0602	EA	14' Long x 9' High Sliding Gate	2,942.84	654.40
		For Gate With Barb Wire Arm, Add	*179.74*	
		For Vinyl Coated, Add	*490.21*	
32 31 13 13-0603	EA	16' Long x 9' High Sliding Gate	3,363.81	748.20
		For Gate With Barb Wire Arm, Add	*205.42*	
		For Vinyl Coated, Add	*560.24*	
32 31 13 13-0604	EA	18' Long x 9' High Sliding Gate	3,784.20	841.65
		For Gate With Barb Wire Arm, Add	*231.10*	
		For Vinyl Coated, Add	*630.26*	
32 31 13 13-0605	EA	20' Long x 9' High Sliding Gate	4,204.57	935.09
		For Gate With Barb Wire Arm, Add	*256.78*	
		For Vinyl Coated, Add	*700.30*	
32 31 13 13-0606	EA	24' Long x 9' High Sliding Gate	5,024.69	1,122.00
		For Gate With Barb Wire Arm, Add	*305.87*	
		For Vinyl Coated, Add	*834.19*	
32 31 13 13-0607	EA	30' Long x 9' High Sliding Gate	6,306.07	1,402.35
		For Gate With Barb Wire Arm, Add	*385.16*	
		For Vinyl Coated, Add	*1,050.44*	
32 31 13 13-0608	EA	40' Long x 9' High Sliding Gate	8,411.17	1,871.31
		For Gate With Barb Wire Arm, Add	*513.55*	
		For Vinyl Coated, Add	*1,400.59*	
32 31 13 13-0609		10' High Sliding Gate *(32 31 13 13-0548)*		
32 31 13 13-0610	EA	10' Long x 10' High Sliding Gate	2,249.08	515.87
		For Gate With Barb Wire Arm, Add	*133.91*	
		For Vinyl Coated, Add	*365.21*	
32 31 13 13-0611	EA	12' Long x 10' High Sliding Gate	2,698.90	619.02
		For Gate With Barb Wire Arm, Add	*160.69*	
		For Vinyl Coated, Add	*438.25*	
32 31 13 13-0612	EA	14' Long x 10' High Sliding Gate	3,149.06	722.34
		For Gate With Barb Wire Arm, Add	*187.47*	
		For Vinyl Coated, Add	*511.29*	
32 31 13 13-0613	EA	16' Long x 10' High Sliding Gate	3,598.74	825.50
		For Gate With Barb Wire Arm, Add	*214.26*	
		For Vinyl Coated, Add	*584.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0614	EA	18' Long x 10' High Sliding Gate	4,048.35	928.57
		For Gate With Barb Wire Arm, Add	*241.04*	
		For Vinyl Coated, Add	*657.37*	
32 31 13 13-0615	EA	20' Long x 10' High Sliding Gate	4,498.17	1,031.72
		For Gate With Barb Wire Arm, Add	*267.82*	
		For Vinyl Coated, Add	*730.42*	
32 31 13 13-0616	EA	24' Long x 10' High Sliding Gate	5,377.26	1,238.55
		For Gate With Barb Wire Arm, Add	*319.03*	
		For Vinyl Coated, Add	*870.07*	
32 31 13 13-0617	EA	30' Long x 10' High Sliding Gate	6,747.25	1,547.59
		For Gate With Barb Wire Arm, Add	*401.73*	
		For Vinyl Coated, Add	*1,095.62*	
32 31 13 13-0618	EA	40' Long x 10' High Sliding Gate	8,993.86	2,062.25
		For Gate With Barb Wire Arm, Add	*535.64*	
		For Vinyl Coated, Add	*1,460.83*	

32 31 13 13-0619 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0265)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 13-0620	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	2,840.36	343.57
		For Gate With Single Barb Wire Arm, Add	*236.86*	
		For Gate With Double Barb Wire Arm, Add	*344.52*	
		For Aluminized Steel Gate And Post, Add	*1,033.55*	
		For Powder Coated Gate And Post, Add	*452.18*	
		For Vinyl Coated, Add	*645.97*	
32 31 13 13-0621	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	3,158.72	429.45
		For Gate With Single Barb Wire Arm, Add	*252.98*	
		For Gate With Double Barb Wire Arm, Add	*367.97*	
		For Aluminized Steel Gate And Post, Add	*1,103.91*	
		For Powder Coated Gate And Post, Add	*482.96*	
		For Vinyl Coated, Add	*689.94*	
32 31 13 13-0622	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	3,479.09	515.35
		For Gate With Single Barb Wire Arm, Add	*269.32*	
		For Gate With Double Barb Wire Arm, Add	*391.74*	
		For Aluminized Steel Gate And Post, Add	*1,175.23*	
		For Powder Coated Gate And Post, Add	*514.16*	
		For Vinyl Coated, Add	*734.52*	
32 31 13 13-0623	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	4,149.11	687.13
		For Gate With Single Barb Wire Arm, Add	*305.23*	
		For Gate With Double Barb Wire Arm, Add	*443.98*	
		For Aluminized Steel Gate And Post, Add	*1,331.93*	
		For Powder Coated Gate And Post, Add	*582.72*	
		For Vinyl Coated, Add	*832.46*	
32 31 13 13-0624	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	3,895.83	687.13
		For Gate With Single Barb Wire Arm, Add	*277.37*	
		For Gate With Double Barb Wire Arm, Add	*403.45*	
		For Aluminized Steel Gate And Post, Add	*1,210.35*	
		For Powder Coated Gate And Post, Add	*529.53*	
		For Vinyl Coated, Add	*756.47*	
32 31 13 13-0625	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	4,643.50	901.85
		For Gate With Single Barb Wire Arm, Add	*312.38*	
		For Gate With Double Barb Wire Arm, Add	*454.37*	
		For Aluminized Steel Gate And Post, Add	*1,363.10*	
		For Powder Coated Gate And Post, Add	*596.36*	
		For Vinyl Coated, Add	*851.94*	
32 31 13 13-0626	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	6,092.84	1,116.59
		For Gate With Single Barb Wire Arm, Add	*424.56*	
		For Gate With Double Barb Wire Arm, Add	*617.55*	
		For Aluminized Steel Gate And Post, Add	*1,852.64*	
		For Powder Coated Gate And Post, Add	*810.53*	
		For Vinyl Coated, Add	*1,157.90*	
32 31 13 13-0627	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	6,922.26	1,331.31
		For Gate With Single Barb Wire Arm, Add	*468.56*	
		For Gate With Double Barb Wire Arm, Add	*681.54*	
		For Aluminized Steel Gate And Post, Add	*2,044.62*	
		For Powder Coated Gate And Post, Add	*894.52*	
		For Vinyl Coated, Add	*1,277.89*	
32 31 13 13-0628	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	4,602.76	858.91
		For Gate With Single Barb Wire Arm, Add	*317.34*	
		For Gate With Double Barb Wire Arm, Add	*461.59*	
		For Aluminized Steel Gate And Post, Add	*1,384.77*	
		For Powder Coated Gate And Post, Add	*605.84*	
		For Vinyl Coated, Add	*865.48*	
32 31 13 13-0629	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	5,567.54	1,159.53
		For Gate With Single Barb Wire Arm, Add	*357.33*	
		For Gate With Double Barb Wire Arm, Add	*519.76*	
		For Aluminized Steel Gate And Post, Add	*1,559.27*	
		For Powder Coated Gate And Post, Add	*682.18*	
		For Vinyl Coated, Add	*974.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0630	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	7,335.42	1,460.15
		For Gate With Single Barb Wire Arm, Add	*485.66*	
		For Gate With Double Barb Wire Arm, Add	*706.42*	
		For Aluminized Steel Gate And Post, Add	*2,119.26*	
		For Powder Coated Gate And Post, Add	*927.18*	
		For Vinyl Coated, Add	*1,324.54*	
32 31 13 13-0631	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	8,307.73	1,717.82
		For Gate With Single Barb Wire Arm, Add	*535.93*	
		For Gate With Double Barb Wire Arm, Add	*779.53*	
		For Aluminized Steel Gate And Post, Add	*2,338.60*	
		For Powder Coated Gate And Post, Add	*1,023.14*	
		For Vinyl Coated, Add	*1,461.62*	

32 31 13 13-0632 Gate Accessories *(32 31 13 13-0265)*

32 31 13 13-0633	EA	Gate Center Stop, Cast Steel, Ground	18.05	
32 31 13 13-0634	EA	Gate Latch, Malleable Galvanized Steel	31.03	
32 31 13 13-0635	EA	Gate Keeper, Full Length, Galvanized Steel	135.97	
32 31 13 13-0636	EA	Gate Keeper Hold-Open For Cantilever Gate	67.28	14.26
32 31 13 13-0637	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	38.49	
32 31 13 13-0638	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	765.05	
32 31 13 13-0639	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate	820.23	
32 31 13 13-0640	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate	875.39	

32 31 13 13-0641 Pipe Gate *(32 31 13 13-0265)*

32 31 13 13-0642	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	2,158.09	
32 31 13 13-0643	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	2,691.38	
32 31 13 13-0644	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	3,201.54	

32 31 13 13-0645 Reinforced Gate *(32 31 13 13-0265)*

Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.

32 31 13 13-0646	LF	Reinforced Single Gate, 4' High, Galvanized	229.90	9.01
		For Vinyl Coated, Add	*127.13*	
		For Powder Coated, Add	*169.51*	
		For Aluminum Coated, Add	*264.86*	
32 31 13 13-0647	LF	Reinforced Single Gate, 5' High, Galvanized	246.77	9.76
		For Vinyl Coated, Add	*136.36*	
		For Powder Coated, Add	*181.81*	
		For Aluminum Coated, Add	*284.08*	
32 31 13 13-0648	LF	Reinforced Single Gate, 6' High, Galvanized	263.85	10.88
		For Vinyl Coated, Add	*145.25*	
		For Powder Coated, Add	*193.66*	
		For Aluminum Coated, Add	*302.60*	
32 31 13 13-0649	LF	Reinforced Single Gate, 7' High, Galvanized	279.66	11.63
		For Vinyl Coated, Add	*153.83*	
		For Powder Coated, Add	*205.11*	
		For Aluminum Coated, Add	*320.49*	
32 31 13 13-0650	LF	Reinforced Single Gate, 8' High, Galvanized	296.71	13.13
		For Vinyl Coated, Add	*162.26*	
		For Powder Coated, Add	*216.35*	
		For Aluminum Coated, Add	*338.05*	
32 31 13 13-0651	LF	Reinforced Double Gate, 4' High, Galvanized	159.93	9.01
		For Vinyl Coated, Add	*85.15*	
		For Powder Coated, Add	*113.54*	
		For Aluminum Coated, Add	*177.40*	
32 31 13 13-0652	LF	Reinforced Double Gate, 5' High, Galvanized	179.19	9.76
		For Vinyl Coated, Add	*95.81*	
		For Powder Coated, Add	*127.74*	
		For Aluminum Coated, Add	*199.60*	
32 31 13 13-0653	LF	Reinforced Double Gate, 6' High, Galvanized	198.57	10.88
		For Vinyl Coated, Add	*106.08*	
		For Powder Coated, Add	*141.44*	
		For Aluminum Coated, Add	*221.00*	
32 31 13 13-0654	LF	Reinforced Double Gate, 7' High, Galvanized	252.61	11.63
		For Vinyl Coated, Add	*137.60*	
		For Powder Coated, Add	*183.47*	
		For Aluminum Coated, Add	*286.68*	
32 31 13 13-0655	LF	Reinforced Double Gate, 8' High, Galvanized	306.88	13.13
		For Vinyl Coated, Add	*168.37*	
		For Powder Coated, Add	*224.49*	
		For Aluminum Coated, Add	*350.76*	

32 31 13 13-0656 Accessories *(32 31 13 13)*

32 31 13 13-0657 Barbed And Concertina Wire *(32 31 13 13-0656)*

32 31 13 13-0658 Single Strand Barbed Wire *(32 31 13 13-0657)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0659	LF	Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	0.80	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 13-0660	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	0.88	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 13-0661	EA	Barbed Wire Extension Arms 3 Strands (Single Arm)	8.22	6.00
32 31 13 13-0662	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	12.64	7.21
32 31 13 13-0663	EA	Barbed Wire Eye Tops (For Single Strand)	8.79	6.00
32 31 13 13-0664		Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0657)*		
32 31 13 13-0665	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	2.50	0.53
		For >500 To 1,500, Deduct	*-0.23*	
		For >1,500 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.65*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*1.75*	
32 31 13 13-0666	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.76	0.53
		For >500 To 1,500, Deduct	*-0.34*	
		For >1,500 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-0.98*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*2.64*	
32 31 13 13-0667	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.01	0.53
		For >500 To 1,500, Deduct	*-0.45*	
		For >1,500 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.30*	
		For Ground Installation, Deduct	*-0.75*	
		For Double Coil (Helix), Add	*3.51*	
32 31 13 13-0668	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.07	0.53
		For >500 To 1,500, Deduct	*-0.27*	
		For >1,500 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.78*	
		For Ground Installation, Deduct	*-0.42*	
		For Double Coil (Helix), Add	*2.24*	
32 31 13 13-0669	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.62	0.53
		For >500 To 1,500, Deduct	*-0.41*	
		For >1,500 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.17*	
		For Ground Installation, Deduct	*-0.63*	
		For Double Coil (Helix), Add	*3.37*	
32 31 13 13-0670	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.12	0.53
		For >500 To 1,500, Deduct	*-0.54*	
		For >1,500 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-1.56*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*4.46*	
32 31 13 13-0671	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	7.37	0.53
		For >500 To 1,500, Deduct	*-0.60*	
		For >1,500 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.66*	
		For Ground Installation, Deduct	*-0.47*	
		For Double Coil (Helix), Add	*6.43*	
32 31 13 13-0672	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.14	0.53
		For >500 To 1,500, Deduct	*-0.91*	
		For >1,500 To 5,000, Deduct	*-1.81*	
		For >5,000, Deduct	*-2.51*	
		For Ground Installation, Deduct	*-0.71*	
		For Double Coil (Helix), Add	*9.73*	
32 31 13 13-0673	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	14.73	0.53
		For >500 To 1,500, Deduct	*-1.20*	
		For >1,500 To 5,000, Deduct	*-2.40*	
		For >5,000, Deduct	*-3.32*	
		For Ground Installation, Deduct	*-0.94*	
		For Double Coil (Helix), Add	*12.86*	
32 31 13 13-0674		Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0657)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0675	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.10	0.53
		For >500 To 1,500, Deduct	*-0.27*	
		For >1,500 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.77*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*2.35*	
32 31 13 13-0676	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.67	0.53
		For >500 To 1,500, Deduct	*-0.41*	
		For >1,500 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.16*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*3.55*	
32 31 13 13-0677	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.21	0.53
		For >500 To 1,500, Deduct	*-0.54*	
		For >1,500 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-1.54*	
		For Ground Installation, Deduct	*-0.75*	
		For Double Coil (Helix), Add	*4.71*	
32 31 13 13-0678	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.87	0.53
		For >500 To 1,500, Deduct	*-0.33*	
		For >1,500 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-0.94*	
		For Ground Installation, Deduct	*-0.42*	
		For Double Coil (Helix), Add	*3.04*	
32 31 13 13-0679	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.83	0.53
		For >500 To 1,500, Deduct	*-0.50*	
		For >1,500 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.42*	
		For Ground Installation, Deduct	*-0.63*	
		For Double Coil (Helix), Add	*4.58*	
32 31 13 13-0680	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	7.72	0.53
		For >500 To 1,500, Deduct	*-0.66*	
		For >1,500 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-1.88*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*6.06*	
32 31 13 13-0681	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.40	0.53
		For >500 To 1,500, Deduct	*-0.83*	
		For >1,500 To 5,000, Deduct	*-1.65*	
		For >5,000, Deduct	*-2.27*	
		For Ground Installation, Deduct	*-0.47*	
		For Double Coil (Helix), Add	*9.46*	
32 31 13 13-0682	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.73	0.53
		For >500 To 1,500, Deduct	*-1.25*	
		For >1,500 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.43*	
		For Ground Installation, Deduct	*-0.71*	
		For Double Coil (Helix), Add	*14.32*	
32 31 13 13-0683	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.79	0.53
		For >500 To 1,500, Deduct	*-1.65*	
		For >1,500 To 5,000, Deduct	*-3.31*	
		For >5,000, Deduct	*-4.53*	
		For Ground Installation, Deduct	*-0.94*	
		For Double Coil (Helix), Add	*18.92*	

32 31 13 13-0684 Grounding For Gates *(32 31 13 13-0656)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0685	OPN	Grounding For Gates (Per Opening)	366.02	

32 31 13 13-0686 Coiled Spring Reinforcing Wire *(32 31 13 13-0656)*

32 31 13 13-0687 Galvanized Steel *(32 31 13 13-0686)*

32 31 13 13-0688	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.86	0.38

32 31 13 13-0689 Vinyl Coated Steel *(32 31 13 13-0686)*

32 31 13 13-0690	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.86	0.38

32 31 13 13-0691 Bending Of Fabric Around Pipe Railings *(32 31 13 13-0656)*

Note: Only where specified.

32 31 13 13-0692	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.21	
32 31 13 13-0693	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.06	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0694		Mounting Plate With Anchors Or Bolts *(32 31 13 13-0656)* Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0695	EA	Mounting Plate For 1-5/8" Diameter Post	28.24	
32 31 13 13-0696	EA	Mounting Plate For 2" Diameter Post	28.64	
32 31 13 13-0697	EA	Mounting Plate For 2-1/2" Diameter Post	29.54	
32 31 13 13-0698	EA	Mounting Plate For 3" Diameter Post	35.14	
32 31 13 13-0699	EA	Mounting Plate For 4" Diameter Post	40.13	
32 31 13 13-0700	EA	Mounting Plate For 6-5/8" Diameter Post	46.11	
32 31 13 13-0701	EA	Mounting Plate For 8-5/8" Diameter Post	54.01	
32 31 13 13-0702		Tension Bar *(32 31 13 13-0656)*		
32 31 13 13-0703	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	9.25	
32 31 13 13-0704	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	9.79	
32 31 13 13-0705	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.28	
32 31 13 13-0706	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	12.78	
32 31 13 13-0707	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	14.64	
32 31 13 13-0708	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	16.54	
32 31 13 13-0709	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.56	
32 31 13 13-0710	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	21.65	
32 31 13 13-0711	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	25.77	
32 31 13 13-0712		Fence And Gate Repair And Replacement *(32 31 13 13)*		
32 31 13 13-0713		Fence And Gate Parts Replacement *(32 31 13 13-0712)*		
32 31 13 13-0714	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	82.68	
32 31 13 13-0715	EA	Sliding Gate Roller Assembly Replacement	83.16	
32 31 13 13-0716	EA	Rod And Lock Gate Keeper Replacement	81.04	
32 31 13 13-0717	EA	Galvanized Gate Holdback Replacement	19.69	
32 31 13 13-0718	LF	3/8" Cross Bracing Rod Replacement	1.07	
32 31 13 13-0719	LF	1-5/8" Diagonal Pipe Bracing Replacement	1.65	
32 31 13 13-0720	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.22	
32 31 13 13-0721	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	13.02	
32 31 13 13-0722	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	14.76	
32 31 13 13-0723	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	26.13	
32 31 13 13-0724	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	31.21	
32 31 13 13-0725	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	17.66	
32 31 13 13-0726	EA	3" x 2" Off Set Gate Hinge Replacement	18.46	
32 31 13 13-0727	EA	4" x 2" Off Set Gate Hinge Replacement	19.73	
32 31 13 13-0728	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	30.67	
32 31 13 13-0729	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	46.73	
32 31 13 13-0730	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	3.90	
32 31 13 13-0731	EA	2" Aluminum Die-Cast Post Cap Replacement	4.27	
32 31 13 13-0732	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	4.83	
32 31 13 13-0733	EA	3" Aluminum Die-Cast Post Cap Replacement	5.47	
32 31 13 13-0734	EA	2" Galvanized Post Cap Replacement	4.71	
32 31 13 13-0735	EA	2-1/2" Galvanized Post Cap Replacement	5.12	
32 31 13 13-0736	EA	3" Galvanized Post Cap Replacement	5.83	
32 31 13 13-0737	EA	4" Galvanized Post Cap Replacement	8.24	
32 31 13 13-0738	EA	6-5/8" Galvanized Post Cap Replacement	14.39	
32 31 13 13-0739	EA	8-5/8" Galvanized Post Cap Replacement	23.10	
32 31 13 13-0740	EA	1-5/8" Boulevard Clamp Replacement	8.00	
32 31 13 13-0741	EA	2" Boulevard Clamp Replacement	9.73	
32 31 13 13-0742	EA	2-1/2" Boulevard Clamp Replacement	11.41	
32 31 13 13-0743	EA	3" Boulevard Clamp Replacement	13.85	
32 31 13 13-0744	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	7.87	
32 31 13 13-0745	EA	2" Gate Brace Or End Rail Clamp Replacement	9.56	
32 31 13 13-0746	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	11.24	
32 31 13 13-0747	EA	3" Gate Brace Or End Rail Clamp Replacement	13.67	
32 31 13 13-0748	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.05	
32 31 13 13-0749	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.10	
32 31 13 13-0750	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.25	
32 31 13 13-0751	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.19	
32 31 13 13-0752	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.30	
32 31 13 13-0753	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.39	
32 31 13 13-0754	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.65	
32 31 13 13-0755	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	10.58	
32 31 13 13-0756		Remove And Reinstall Chain Link Fences *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0757	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	15.01	
32 31 13 13-0758	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.52	

32 31 13 33 Chain Link Backstops *(32 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0001		Regulation Baseball Backstop *(32 31 13 33)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	8,127.30	1,538.47
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	11,656.19	2,051.29
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	14,766.47	2,393.18
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	11,158.70	1,538.47
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	16,192.12	2,051.29
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,752.33	2,393.18
32 31 13 33-0008		Regulation Softball Backstop *(32 31 13 33)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009		14' High Softball Backstop *(32 31 13 33-0008)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation	6,943.07	1,493.73
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation	9,117.24	1,493.73
32 31 13 33-0012		18' High Softball Backstop *(32 31 13 33-0008)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation	8,073.67	1,660.62
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	10,703.71	1,660.62
32 31 13 33-0015		20' High Softball Backstop *(32 31 13 33-0008)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation	9,092.51	1,750.89
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	12,213.53	1,750.89
32 31 13 33-0018		22' High Softball Backstop *(32 31 13 33-0008)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation	10,418.07	1,803.71
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	14,170.26	1,803.71
32 31 13 33-0021		24' High Softball Backstop *(32 31 13 33-0008)*		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation	12,329.79	2,061.39
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	16,993.72	2,061.39
32 31 16		**Welded Wire Fences And Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.28	1.37
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.73	1.37
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.19	1.37
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.59	1.37
32 31 19		**Decorative Metal Fences And Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)*		
		Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	58.88	8.26
		For Verticals Up To 2" On Center, Add	*8.47*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.24*	
		For Verticals >3" To 4" On Center, Deduct	*-4.24*	
		For Verticals >4" To 6" On Center, Deduct	*-8.47*	
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	76.44	10.50
		For Verticals Up To 2" On Center, Add	*11.23*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.62*	
		For Verticals >3" To 4" On Center, Deduct	*-5.62*	
		For Verticals >4" To 6" On Center, Deduct	*-11.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	92.88	10.96
		For Verticals Up To 2" On Center, Add	*14.16*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.08*	
		For Verticals >3" To 4" On Center, Deduct	*-7.08*	
		For Verticals >4" To 6" On Center, Deduct	*-14.16*	
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	112.69	13.21
		For Verticals Up To 2" On Center, Add	*17.24*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.62*	
		For Verticals >3" To 4" On Center, Deduct	*-8.62*	
		For Verticals >4" To 6" On Center, Deduct	*-17.24*	
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	135.10	13.97
		For Verticals Up To 2" On Center, Add	*21.43*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.71*	
		For Verticals >3" To 4" On Center, Deduct	*-10.71*	
		For Verticals >4" To 6" On Center, Deduct	*-21.43*	
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	157.50	14.71
		For Verticals Up To 2" On Center, Add	*25.62*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.81*	
		For Verticals >3" To 4" On Center, Deduct	*-12.81*	
		For Verticals >4" To 6" On Center, Deduct	*-25.62*	
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	194.35	16.52
		For Verticals Up To 2" On Center, Add	*32.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*16.13*	
		For Verticals >3" To 4" On Center, Deduct	*-16.13*	
		For Verticals >4" To 6" On Center, Deduct	*-32.27*	
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	231.24	18.76
		For Verticals Up To 2" On Center, Add	*38.74*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.37*	
		For Verticals >3" To 4" On Center, Deduct	*-19.37*	
		For Verticals >4" To 6" On Center, Deduct	*-38.74*	

32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	73.33	10.06
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	96.33	12.46
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	118.85	15.01
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	144.90	18.01
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	202.06	19.97
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	248.58	22.07
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	294.14	25.06

32 31 19 00-0020 Double Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	90.39	9.01
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	119.28	11.25
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	146.63	13.51
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	178.45	16.21
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	249.76	18.01
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	307.68	19.81
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	364.50	22.52

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence *(32 31 19 00-0001)*

32 31 19 00-0029	LF	Replace Wrought Iron Picket	17.55	
32 31 19 00-0030	LF	Replace Wrought Iron Post	27.60	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	60.04	

32 31 19 00-0032 Steel Tube Fence, Powder Coated *(32 31 19)*

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0033 Steel Tube Fence, 2 Rail *(32 31 19 00-0032)*

32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	41.55	8.26
		For Verticals Up To 2" On Center, Add	*5.07*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.54*	
		For Verticals >3" To 4" On Center, Deduct	*-2.54*	
		For Verticals >4" To 6" On Center, Deduct	*-5.07*	
		For Solid Pickets, Add	*8.14*	
		For Aluminum With Satin Finish, Add	*5.18*	
		For Third Rail, Add	*1.90*	
		For 1" Square x 14 Gauge Pickets, Add	*6.34*	
		For 3" Square Posts, Add	*2.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	44.57	8.82
		For Verticals Up To 2" On Center, Add	*5.38*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.69*	
		For Verticals >3" To 4" On Center, Deduct	*-2.69*	
		For Verticals >4" To 6" On Center, Deduct	*-5.38*	
		For Solid Pickets, Add	*8.70*	
		For Aluminum With Satin Finish, Add	*5.43*	
		For Third Rail, Add	*2.02*	
		For 1" Square x 14 Gauge Pickets, Add	*6.73*	
		For 3" Square Posts, Add	*2.69*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	47.31	9.76
		For Verticals Up To 2" On Center, Add	*5.64*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.82*	
		For Verticals >3" To 4" On Center, Deduct	*-2.82*	
		For Verticals >4" To 6" On Center, Deduct	*-5.64*	
		For Solid Pickets, Add	*9.21*	
		For Aluminum With Satin Finish, Add	*5.58*	
		For Third Rail, Add	*2.11*	
		For 1" Square x 14 Gauge Pickets, Add	*7.05*	
		For 3" Square Posts, Add	*2.82*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	50.96	10.96
		For Verticals Up To 2" On Center, Add	*5.78*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.89*	
		For Verticals >3" To 4" On Center, Deduct	*-2.89*	
		For Verticals >4" To 6" On Center, Deduct	*-5.78*	
		For Solid Pickets, Add	*9.81*	
		For Aluminum With Satin Finish, Add	*5.36*	
		For Third Rail, Add	*2.17*	
		For 1" Square x 14 Gauge Pickets, Add	*7.22*	
		For 3" Square Posts, Add	*2.89*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	58.81	12.38
		For Verticals Up To 2" On Center, Add	*6.81*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.41*	
		For Verticals >3" To 4" On Center, Deduct	*-3.41*	
		For Verticals >4" To 6" On Center, Deduct	*-6.81*	
		For Solid Pickets, Add	*11.38*	
		For Aluminum With Satin Finish, Add	*6.50*	
		For Third Rail, Add	*2.55*	
		For 1" Square x 14 Gauge Pickets, Add	*8.51*	
		For 3" Square Posts, Add	*3.41*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	66.91	13.51
		For Verticals Up To 2" On Center, Add	*7.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.99*	
		For Verticals >3" To 4" On Center, Deduct	*-3.99*	
		For Verticals >4" To 6" On Center, Deduct	*-7.98*	
		For Solid Pickets, Add	*13.03*	
		For Aluminum With Satin Finish, Add	*7.91*	
		For Third Rail, Add	*2.99*	
		For 1" Square x 14 Gauge Pickets, Add	*9.97*	
		For 4" Square Posts, Add	*13.96*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	75.15	14.71
		For Verticals Up To 2" On Center, Add	*9.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.57*	
		For Verticals >3" To 4" On Center, Deduct	*-4.57*	
		For Verticals >4" To 6" On Center, Deduct	*-9.15*	
		For Solid Pickets, Add	*14.70*	
		For Aluminum With Satin Finish, Add	*9.31*	
		For Third Rail, Add	*3.43*	
		For 1" Square x 14 Gauge Pickets, Add	*11.43*	
		For 4" Square Posts, Add	*16.01*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	86.51	15.76
		For Verticals Up To 2" On Center, Add	*11.00*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.50*	
		For Verticals >3" To 4" On Center, Deduct	*-5.50*	
		For Verticals >4" To 6" On Center, Deduct	*-11.00*	
		For Solid Pickets, Add	*17.10*	
		For Aluminum With Satin Finish, Add	*11.77*	
		For Third Rail, Add	*4.12*	
		For 1" Square x 14 Gauge Pickets, Add	*13.75*	
		For 4" Square Posts, Add	*19.25*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	98.02	16.88
		For Verticals Up To 2" On Center, Add	*12.85*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.43*	
		For Verticals >3" To 4" On Center, Deduct	*-6.43*	
		For Verticals >4" To 6" On Center, Deduct	*-12.85*	
		For Solid Pickets, Add	*19.52*	
		For Aluminum With Satin Finish, Add	*14.21*	
		For Third Rail, Add	*4.82*	
		For 1" Square x 14 Gauge Pickets, Add	*16.06*	
		For 6" Square Posts, Add	*22.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	114.73	18.76
		For Verticals Up To 2" On Center, Add	*15.44*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.72*	
		For Verticals >3" To 4" On Center, Deduct	*-7.72*	
		For Verticals >4" To 6" On Center, Deduct	*-15.44*	
		For Solid Pickets, Add	*23.00*	
		For Aluminum With Satin Finish, Add	*17.54*	
		For Third Rail, Add	*5.79*	
		For 1" Square x 14 Gauge Pickets, Add	*19.30*	
		For 6" Square Posts, Add	*27.02*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	123.01	20.26
		For Verticals Up To 2" On Center, Add	*16.50*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.25*	
		For Verticals >3" To 4" On Center, Deduct	*-8.25*	
		For Verticals >4" To 6" On Center, Deduct	*-16.50*	
		For Solid Pickets, Add	*24.64*	
		For Aluminum With Satin Finish, Add	*18.66*	
		For Third Rail, Add	*6.19*	
		For 1" Square x 14 Gauge Pickets, Add	*20.62*	
		For 6" Square Posts, Add	*28.87*	
32 31 19 00-0045		Steel Tube Swing Gates *(32 31 19 00-0032)*		
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	504.74	15.99
		For Solid Pickets, Add	*109.96*	
		For Aluminum With Satin Finish, Add	*129.81*	
		For Third Rail, Add	*34.25*	
		For 1" Square x 14 Gauge Pickets, Add	*45.67*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	561.46	16.74
		For Solid Pickets, Add	*122.56*	
		For Aluminum With Satin Finish, Add	*145.81*	
		For Third Rail, Add	*38.34*	
		For 1" Square x 14 Gauge Pickets, Add	*51.12*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	621.39	17.71
		For Solid Pickets, Add	*135.82*	
		For Aluminum With Satin Finish, Add	*162.44*	
		For Third Rail, Add	*42.61*	
		For 1" Square x 14 Gauge Pickets, Add	*56.81*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	653.61	18.99
		For Solid Pickets, Add	*142.78*	
		For Aluminum With Satin Finish, Add	*170.42*	
		For Third Rail, Add	*44.74*	
		For 1" Square x 14 Gauge Pickets, Add	*59.66*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	730.47	22.74
		For Solid Pickets, Add	*159.23*	
		For Aluminum With Satin Finish, Add	*188.41*	
		For Third Rail, Add	*49.66*	
		For 1" Square x 14 Gauge Pickets, Add	*66.22*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	777.61	26.49
		For Solid Pickets, Add	*169.00*	
		For Aluminum With Satin Finish, Add	*197.49*	
		For Third Rail, Add	*52.35*	
		For 1" Square x 14 Gauge Pickets, Add	*69.81*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	849.03	30.47
		For Solid Pickets, Add	*184.16*	
		For Aluminum With Satin Finish, Add	*213.51*	
		For Third Rail, Add	*56.81*	
		For 1" Square x 14 Gauge Pickets, Add	*75.75*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	911.04	34.23
		For Solid Pickets, Add	*197.27*	
		For Aluminum With Satin Finish, Add	*227.04*	
		For Third Rail, Add	*60.62*	
		For 1" Square x 14 Gauge Pickets, Add	*80.82*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	965.62	37.97
		For Solid Pickets, Add	*208.71*	
		For Aluminum With Satin Finish, Add	*238.35*	
		For Third Rail, Add	*63.87*	
		For 1" Square x 14 Gauge Pickets, Add	*85.15*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,055.16	31.97
		For Solid Pickets, Add	*230.21*	
		For Aluminum With Satin Finish, Add	*273.32*	
		For Third Rail, Add	*71.93*	
		For 1" Square x 14 Gauge Pickets, Add	*95.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,124.15	33.47
		For Solid Pickets, Add	*245.39*	
		For Aluminum With Satin Finish, Add	*291.99*	
		For Third Rail, Add	*76.77*	
		For 1" Square x 14 Gauge Pickets, Add	*102.36*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,242.78	35.50
		For Solid Pickets, Add	*271.63*	
		For Aluminum With Satin Finish, Add	*324.88*	
		For Third Rail, Add	*85.22*	
		For 1" Square x 14 Gauge Pickets, Add	*113.62*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,302.24	36.78
		For Solid Pickets, Add	*284.73*	
		For Aluminum With Satin Finish, Add	*341.02*	
		For Third Rail, Add	*89.39*	
		For 1" Square x 14 Gauge Pickets, Add	*119.19*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,350.54	37.97
		For Solid Pickets, Add	*295.32*	
		For Aluminum With Satin Finish, Add	*353.83*	
		For Third Rail, Add	*92.73*	
		For 1" Square x 14 Gauge Pickets, Add	*123.65*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,520.35	45.48
		For Solid Pickets, Add	*331.83*	
		For Aluminum With Satin Finish, Add	*394.64*	
		For Third Rail, Add	*103.78*	
		For 1" Square x 14 Gauge Pickets, Add	*138.38*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,666.63	52.99
		For Solid Pickets, Add	*363.06*	
		For Aluminum With Satin Finish, Add	*428.39*	
		For Third Rail, Add	*113.06*	
		For 1" Square x 14 Gauge Pickets, Add	*150.75*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,789.66	61.01
		For Solid Pickets, Add	*388.94*	
		For Aluminum With Satin Finish, Add	*454.49*	
		For Third Rail, Add	*120.49*	
		For 1" Square x 14 Gauge Pickets, Add	*160.65*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,892.63	68.44
		For Solid Pickets, Add	*410.42*	
		For Aluminum With Satin Finish, Add	*475.25*	
		For Third Rail, Add	*126.52*	
		For 1" Square x 14 Gauge Pickets, Add	*168.70*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,977.03	75.95
		For Solid Pickets, Add	*427.72*	
		For Aluminum With Satin Finish, Add	*490.44*	
		For Third Rail, Add	*131.17*	
		For 1" Square x 14 Gauge Pickets, Add	*174.89*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	582.87	15.01
		For Solid Pickets, Add	*127.35*	
		For Aluminum With Satin Finish, Add	*152.06*	
		For Third Rail, Add	*39.92*	
		For 1" Square x 14 Gauge Pickets, Add	*53.22*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	630.54	17.49
		For Solid Pickets, Add	*137.93*	
		For Aluminum With Satin Finish, Add	*165.52*	
		For Third Rail, Add	*43.35*	
		For 1" Square x 14 Gauge Pickets, Add	*57.80*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	680.09	18.76
		For Solid Pickets, Add	*148.80*	
		For Aluminum With Satin Finish, Add	*178.70*	
		For Third Rail, Add	*46.79*	
		For 1" Square x 14 Gauge Pickets, Add	*62.38*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	720.97	19.97
		For Solid Pickets, Add	*157.72*	
		For Aluminum With Satin Finish, Add	*189.27*	
		For Third Rail, Add	*49.57*	
		For 1" Square x 14 Gauge Pickets, Add	*66.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	777.54	24.01
		For Solid Pickets, Add	*169.54*	
		For Aluminum With Satin Finish, Add	*200.84*	
		For Third Rail, Add	*52.91*	
		For 1" Square x 14 Gauge Pickets, Add	*70.55*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	853.91	27.99
		For Solid Pickets, Add	*185.83*	
		For Aluminum With Satin Finish, Add	*218.35*	
		For Third Rail, Add	*57.74*	
		For 1" Square x 14 Gauge Pickets, Add	*76.99*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	958.75	31.97
		For Solid Pickets, Add	*208.51*	
		For Aluminum With Satin Finish, Add	*244.39*	
		For Third Rail, Add	*64.70*	
		For 1" Square x 14 Gauge Pickets, Add	*86.27*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,061.11	36.03
		For Solid Pickets, Add	*230.64*	
		For Aluminum With Satin Finish, Add	*269.70*	
		For Third Rail, Add	*71.48*	
		For 1" Square x 14 Gauge Pickets, Add	*95.30*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,158.51	40.00
		For Solid Pickets, Add	*251.66*	
		For Aluminum With Satin Finish, Add	*293.52*	
		For Third Rail, Add	*77.88*	
		For 1" Square x 14 Gauge Pickets, Add	*103.84*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,165.74	33.77
		For Solid Pickets, Add	*254.69*	
		For Aluminum With Satin Finish, Add	*304.13*	
		For Third Rail, Add	*79.83*	
		For 1" Square x 14 Gauge Pickets, Add	*106.44*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,261.08	34.98
		For Solid Pickets, Add	*275.86*	
		For Aluminum With Satin Finish, Add	*331.04*	
		For Third Rail, Add	*86.70*	
		For 1" Square x 14 Gauge Pickets, Add	*115.60*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,360.17	37.52
		For Solid Pickets, Add	*297.60*	
		For Aluminum With Satin Finish, Add	*357.39*	
		For Third Rail, Add	*93.57*	
		For 1" Square x 14 Gauge Pickets, Add	*124.76*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,438.19	38.73
		For Solid Pickets, Add	*314.87*	
		For Aluminum With Satin Finish, Add	*379.11*	
		For Third Rail, Add	*99.14*	
		For 1" Square x 14 Gauge Pickets, Add	*132.19*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,503.83	40.00
		For Solid Pickets, Add	*329.36*	
		For Aluminum With Satin Finish, Add	*397.11*	
		For Third Rail, Add	*103.78*	
		For 1" Square x 14 Gauge Pickets, Add	*138.38*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,707.32	47.96
		For Solid Pickets, Add	*373.34*	
		For Aluminum With Satin Finish, Add	*447.35*	
		For Third Rail, Add	*117.24*	
		For 1" Square x 14 Gauge Pickets, Add	*156.32*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,886.05	55.98
		For Solid Pickets, Add	*411.75*	
		For Aluminum With Satin Finish, Add	*490.16*	
		For Third Rail, Add	*128.84*	
		For 1" Square x 14 Gauge Pickets, Add	*171.79*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,041.25	63.94
		For Solid Pickets, Add	*444.87*	
		For Aluminum With Satin Finish, Add	*525.92*	
		For Third Rail, Add	*138.68*	
		For 1" Square x 14 Gauge Pickets, Add	*184.91*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,175.43	71.98
		For Solid Pickets, Add	*473.26*	
		For Aluminum With Satin Finish, Add	*555.36*	
		For Third Rail, Add	*146.95*	
		For 1" Square x 14 Gauge Pickets, Add	*195.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,289.79	80.01
		For Solid Pickets, Add	*497.19*	
		For Aluminum With Satin Finish, Add	*578.87*	
		For Third Rail, Add	*153.72*	
		For 1" Square x 14 Gauge Pickets, Add	*204.96*	
32 31 19 00-0086		**5' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	634.25	17.49
		For Solid Pickets, Add	*138.77*	
		For Aluminum With Satin Finish, Add	*166.64*	
		For Third Rail, Add	*43.63*	
		For 1" Square x 14 Gauge Pickets, Add	*58.17*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	668.95	18.76
		For Solid Pickets, Add	*146.29*	
		For Aluminum With Satin Finish, Add	*175.35*	
		For Third Rail, Add	*45.95*	
		For 1" Square x 14 Gauge Pickets, Add	*61.27*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	702.41	19.97
		For Solid Pickets, Add	*153.54*	
		For Aluminum With Satin Finish, Add	*183.71*	
		For Third Rail, Add	*48.18*	
		For 1" Square x 14 Gauge Pickets, Add	*64.24*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	750.72	21.24
		For Solid Pickets, Add	*164.13*	
		For Aluminum With Satin Finish, Add	*196.51*	
		For Third Rail, Add	*51.52*	
		For 1" Square x 14 Gauge Pickets, Add	*68.69*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	816.70	25.52
		For Solid Pickets, Add	*178.02*	
		For Aluminum With Satin Finish, Add	*210.56*	
		For Third Rail, Add	*55.51*	
		For 1" Square x 14 Gauge Pickets, Add	*74.01*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	903.72	29.72
		For Solid Pickets, Add	*196.64*	
		For Aluminum With Satin Finish, Add	*230.93*	
		For Third Rail, Add	*61.08*	
		For 1" Square x 14 Gauge Pickets, Add	*81.44*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,024.91	34.23
		For Solid Pickets, Add	*222.89*	
		For Aluminum With Satin Finish, Add	*261.20*	
		For Third Rail, Add	*69.16*	
		For 1" Square x 14 Gauge Pickets, Add	*92.21*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,142.87	38.50
		For Solid Pickets, Add	*248.48*	
		For Aluminum With Satin Finish, Add	*290.85*	
		For Third Rail, Add	*77.05*	
		For 1" Square x 14 Gauge Pickets, Add	*102.73*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,258.36	42.71
		For Solid Pickets, Add	*273.51*	
		For Aluminum With Satin Finish, Add	*319.76*	
		For Third Rail, Add	*84.75*	
		For 1" Square x 14 Gauge Pickets, Add	*113.00*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,247.65	29.50
		For Solid Pickets, Add	*274.41*	
		For Aluminum With Satin Finish, Add	*336.40*	
		For Third Rail, Add	*87.26*	
		For 1" Square x 14 Gauge Pickets, Add	*116.34*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,322.34	34.37
		For Solid Pickets, Add	*290.16*	
		For Aluminum With Satin Finish, Add	*352.49*	
		For Third Rail, Add	*91.81*	
		For 1" Square x 14 Gauge Pickets, Add	*122.41*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,397.84	39.56
		For Solid Pickets, Add	*306.03*	
		For Aluminum With Satin Finish, Add	*368.45*	
		For Third Rail, Add	*96.35*	
		For 1" Square x 14 Gauge Pickets, Add	*128.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,500.98	44.51
		For Solid Pickets, Add	*328.19*	
		For Aluminum With Satin Finish, Add	*393.09*	
		For Third Rail, Add	*103.04*	
		For 1" Square x 14 Gauge Pickets, Add	*137.39*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,591.75	49.38
		For Solid Pickets, Add	*347.56*	
		For Aluminum With Satin Finish, Add	*414.00*	
		For Third Rail, Add	*108.79*	
		For 1" Square x 14 Gauge Pickets, Add	*145.06*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,811.66	54.93
		For Solid Pickets, Add	*395.86*	
		For Aluminum With Satin Finish, Add	*472.91*	
		For Third Rail, Add	*124.11*	
		For 1" Square x 14 Gauge Pickets, Add	*165.48*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,009.71	60.95
		For Solid Pickets, Add	*439.12*	
		For Aluminum With Satin Finish, Add	*524.52*	
		For Third Rail, Add	*137.66*	
		For 1" Square x 14 Gauge Pickets, Add	*183.55*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,187.12	67.62
		For Solid Pickets, Add	*477.61*	
		For Aluminum With Satin Finish, Add	*569.20*	
		For Third Rail, Add	*149.54*	
		For 1" Square x 14 Gauge Pickets, Add	*199.39*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,347.21	75.13
		For Solid Pickets, Add	*512.02*	
		For Aluminum With Satin Finish, Add	*607.57*	
		For Third Rail, Add	*159.94*	
		For 1" Square x 14 Gauge Pickets, Add	*213.26*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,489.97	83.53
		For Solid Pickets, Add	*542.35*	
		For Aluminum With Satin Finish, Add	*639.63*	
		For Third Rail, Add	*168.85*	
		For 1" Square x 14 Gauge Pickets, Add	*225.14*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	660.55	19.21
		For Solid Pickets, Add	*144.29*	
		For Aluminum With Satin Finish, Add	*172.16*	
		For Third Rail, Add	*45.21*	
		For 1" Square x 14 Gauge Pickets, Add	*60.28*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	694.49	20.26
		For Solid Pickets, Add	*151.70*	
		For Aluminum With Satin Finish, Add	*180.99*	
		For Third Rail, Add	*47.53*	
		For 1" Square x 14 Gauge Pickets, Add	*63.37*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	728.97	21.39
		For Solid Pickets, Add	*159.19*	
		For Aluminum With Satin Finish, Add	*189.74*	
		For Third Rail, Add	*49.85*	
		For 1" Square x 14 Gauge Pickets, Add	*66.46*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	771.31	22.74
		For Solid Pickets, Add	*168.42*	
		For Aluminum With Satin Finish, Add	*200.66*	
		For Third Rail, Add	*52.73*	
		For 1" Square x 14 Gauge Pickets, Add	*70.30*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	866.02	27.47
		For Solid Pickets, Add	*188.66*	
		For Aluminum With Satin Finish, Add	*222.65*	
		For Third Rail, Add	*58.76*	
		For 1" Square x 14 Gauge Pickets, Add	*78.35*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	966.91	32.27
		For Solid Pickets, Add	*210.29*	
		For Aluminum With Satin Finish, Add	*246.51*	
		For Third Rail, Add	*65.26*	
		For 1" Square x 14 Gauge Pickets, Add	*87.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,079.44	36.78
		For Solid Pickets, Add	*234.60*	
		For Aluminum With Satin Finish, Add	*274.19*	
		For Third Rail, Add	*72.68*	
		For 1" Square x 14 Gauge Pickets, Add	*96.91*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,187.77	41.50
		For Solid Pickets, Add	*257.90*	
		For Aluminum With Satin Finish, Add	*300.27*	
		For Third Rail, Add	*79.74*	
		For 1" Square x 14 Gauge Pickets, Add	*106.32*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,319.61	46.23
		For Solid Pickets, Add	*286.50*	
		For Aluminum With Satin Finish, Add	*333.41*	
		For Third Rail, Add	*88.56*	
		For 1" Square x 14 Gauge Pickets, Add	*118.08*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,296.34	31.82
		For Solid Pickets, Add	*284.87*	
		For Aluminum With Satin Finish, Add	*348.03*	
		For Third Rail, Add	*90.41*	
		For 1" Square x 14 Gauge Pickets, Add	*120.55*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,373.89	37.30
		For Solid Pickets, Add	*301.14*	
		For Aluminum With Satin Finish, Add	*364.25*	
		For Third Rail, Add	*95.06*	
		For 1" Square x 14 Gauge Pickets, Add	*126.74*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,450.65	42.47
		For Solid Pickets, Add	*317.29*	
		For Aluminum With Satin Finish, Add	*380.58*	
		For Third Rail, Add	*99.70*	
		For 1" Square x 14 Gauge Pickets, Add	*132.93*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,543.07	47.96
		For Solid Pickets, Add	*336.91*	
		For Aluminum With Satin Finish, Add	*401.25*	
		For Third Rail, Add	*105.45*	
		For 1" Square x 14 Gauge Pickets, Add	*140.60*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,687.48	53.44
		For Solid Pickets, Add	*368.23*	
		For Aluminum With Satin Finish, Add	*437.52*	
		For Third Rail, Add	*115.11*	
		For 1" Square x 14 Gauge Pickets, Add	*153.48*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,978.35	59.52
		For Solid Pickets, Add	*432.37*	
		For Aluminum With Satin Finish, Add	*516.97*	
		For Third Rail, Add	*135.62*	
		For 1" Square x 14 Gauge Pickets, Add	*180.83*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,072.42	66.50
		For Solid Pickets, Add	*452.05*	
		For Aluminum With Satin Finish, Add	*536.28*	
		For Third Rail, Add	*141.19*	
		For 1" Square x 14 Gauge Pickets, Add	*188.25*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,275.82	74.00
		For Solid Pickets, Add	*496.21*	
		For Aluminum With Satin Finish, Add	*587.64*	
		For Third Rail, Add	*154.84*	
		For 1" Square x 14 Gauge Pickets, Add	*206.45*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,463.15	82.33
		For Solid Pickets, Add	*536.56*	
		For Aluminum With Satin Finish, Add	*633.06*	
		For Third Rail, Add	*167.09*	
		For 1" Square x 14 Gauge Pickets, Add	*222.79*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,637.68	91.87
		For Solid Pickets, Add	*573.79*	
		For Aluminum With Satin Finish, Add	*673.17*	
		For Third Rail, Add	*178.14*	
		For 1" Square x 14 Gauge Pickets, Add	*237.52*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	699.94	20.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*152.80*	
		For Aluminum With Satin Finish, Add	*181.85*	
		For Third Rail, Add	*47.81*	
		For 1" Square x 14 Gauge Pickets, Add	*63.74*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	735.42	21.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*160.53*	
		For Aluminum With Satin Finish, Add	*191.01*	
		For Third Rail, Add	*50.22*	
		For 1" Square x 14 Gauge Pickets, Add	*66.96*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	771.06	23.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*168.29*	
		For Aluminum With Satin Finish, Add	*200.14*	
		For Third Rail, Add	*52.63*	
		For 1" Square x 14 Gauge Pickets, Add	*70.18*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	806.76	24.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*176.06*	
		For Aluminum With Satin Finish, Add	*209.27*	
		For Third Rail, Add	*55.05*	
		For 1" Square x 14 Gauge Pickets, Add	*73.40*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	933.91	29.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*203.49*	
		For Aluminum With Satin Finish, Add	*240.32*	
		For Third Rail, Add	*63.40*	
		For 1" Square x 14 Gauge Pickets, Add	*84.54*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,050.40	34.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*228.57*	
		For Aluminum With Satin Finish, Add	*268.52*	
		For Third Rail, Add	*71.01*	
		For 1" Square x 14 Gauge Pickets, Add	*94.68*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,135.48	39.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*246.53*	
		For Aluminum With Satin Finish, Add	*286.95*	
		For Third Rail, Add	*76.21*	
		For 1" Square x 14 Gauge Pickets, Add	*101.62*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,232.18	44.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*267.17*	
		For Aluminum With Satin Finish, Add	*309.20*	
		For Third Rail, Add	*82.34*	
		For 1" Square x 14 Gauge Pickets, Add	*109.78*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	1,350.68	49.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*292.64*	
		For Aluminum With Satin Finish, Add	*337.65*	
		For Third Rail, Add	*90.04*	
		For 1" Square x 14 Gauge Pickets, Add	*120.06*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	1,372.25	34.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*301.45*	
		For Aluminum With Satin Finish, Add	*367.84*	
		For Third Rail, Add	*95.61*	
		For 1" Square x 14 Gauge Pickets, Add	*127.48*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	1,453.11	39.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*318.41*	
		For Aluminum With Satin Finish, Add	*384.67*	
		For Third Rail, Add	*100.44*	
		For 1" Square x 14 Gauge Pickets, Add	*133.92*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	1,534.82	45.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*335.49*	
		For Aluminum With Satin Finish, Add	*401.37*	
		For Third Rail, Add	*105.27*	
		For 1" Square x 14 Gauge Pickets, Add	*140.36*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	1,616.92	51.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*352.72*	
		For Aluminum With Satin Finish, Add	*418.58*	
		For Third Rail, Add	*110.19*	
		For 1" Square x 14 Gauge Pickets, Add	*146.92*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	1,821.15	57.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*397.38*	
		For Aluminum With Satin Finish, Add	*472.05*	
		For Third Rail, Add	*124.20*	
		For 1" Square x 14 Gauge Pickets, Add	*165.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,200.31	64.47
		For Solid Pickets, Add	*481.26*	
		For Aluminum With Satin Finish, Add	*577.25*	
		For Third Rail, Add	*151.22*	
		For 1" Square x 14 Gauge Pickets, Add	*201.62*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,178.05	72.28
		For Solid Pickets, Add	*474.58*	
		For Aluminum With Satin Finish, Add	*560.54*	
		For Third Rail, Add	*147.87*	
		For 1" Square x 14 Gauge Pickets, Add	*197.17*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,360.41	80.60
		For Solid Pickets, Add	*513.82*	
		For Aluminum With Satin Finish, Add	*604.47*	
		For Third Rail, Add	*159.76*	
		For 1" Square x 14 Gauge Pickets, Add	*213.01*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,578.26	90.13
		For Solid Pickets, Add	*560.79*	
		For Aluminum With Satin Finish, Add	*657.57*	
		For Third Rail, Add	*174.05*	
		For 1" Square x 14 Gauge Pickets, Add	*232.07*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,723.09	100.57
		For Solid Pickets, Add	*591.15*	
		For Aluminum With Satin Finish, Add	*687.64*	
		For Third Rail, Add	*182.68*	
		For 1" Square x 14 Gauge Pickets, Add	*243.58*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	760.66	22.52
		For Solid Pickets, Add	*166.08*	
		For Aluminum With Satin Finish, Add	*197.80*	
		For Third Rail, Add	*51.98*	
		For 1" Square x 14 Gauge Pickets, Add	*69.31*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	797.83	23.71
		For Solid Pickets, Add	*174.16*	
		For Aluminum With Satin Finish, Add	*207.26*	
		For Third Rail, Add	*54.49*	
		For 1" Square x 14 Gauge Pickets, Add	*72.65*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	837.47	25.00
		For Solid Pickets, Add	*182.80*	
		For Aluminum With Satin Finish, Add	*217.47*	
		For Third Rail, Add	*57.18*	
		For 1" Square x 14 Gauge Pickets, Add	*76.24*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	873.34	27.85
		For Solid Pickets, Add	*190.22*	
		For Aluminum With Satin Finish, Add	*224.34*	
		For Third Rail, Add	*59.22*	
		For 1" Square x 14 Gauge Pickets, Add	*78.97*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,032.75	31.52
		For Solid Pickets, Add	*225.28*	
		For Aluminum With Satin Finish, Add	*267.27*	
		For Third Rail, Add	*70.36*	
		For 1" Square x 14 Gauge Pickets, Add	*93.82*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,150.03	37.97
		For Solid Pickets, Add	*250.20*	
		For Aluminum With Satin Finish, Add	*293.67*	
		For Third Rail, Add	*77.70*	
		For 1" Square x 14 Gauge Pickets, Add	*103.60*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,202.21	44.21
		For Solid Pickets, Add	*260.53*	
		For Aluminum With Satin Finish, Add	*300.89*	
		For Third Rail, Add	*80.20*	
		For 1" Square x 14 Gauge Pickets, Add	*106.94*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,289.81	50.73
		For Solid Pickets, Add	*278.78*	
		For Aluminum With Satin Finish, Add	*318.38*	
		For Third Rail, Add	*85.31*	
		For 1" Square x 14 Gauge Pickets, Add	*113.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,366.24	57.27
		For Solid Pickets, Add	*294.51*	
		For Aluminum With Satin Finish, Add	*332.54*	
		For Third Rail, Add	*89.58*	
		For 1" Square x 14 Gauge Pickets, Add	*119.44*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,491.48	36.40
		For Solid Pickets, Add	*327.78*	
		For Aluminum With Satin Finish, Add	*400.64*	
		For Third Rail, Add	*104.06*	
		For 1" Square x 14 Gauge Pickets, Add	*138.75*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,582.26	43.90
		For Solid Pickets, Add	*346.60*	
		For Aluminum With Satin Finish, Add	*418.21*	
		For Third Rail, Add	*109.26*	
		For 1" Square x 14 Gauge Pickets, Add	*145.68*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,670.98	51.11
		For Solid Pickets, Add	*365.01*	
		For Aluminum With Satin Finish, Add	*435.54*	
		For Third Rail, Add	*114.36*	
		For 1" Square x 14 Gauge Pickets, Add	*152.49*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,745.67	58.69
		For Solid Pickets, Add	*380.21*	
		For Aluminum With Satin Finish, Add	*448.28*	
		For Third Rail, Add	*118.36*	
		For 1" Square x 14 Gauge Pickets, Add	*157.81*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,028.27	66.20
		For Solid Pickets, Add	*442.18*	
		For Aluminum With Satin Finish, Add	*523.41*	
		For Third Rail, Add	*137.94*	
		For 1" Square x 14 Gauge Pickets, Add	*183.92*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,526.26	74.52
		For Solid Pickets, Add	*552.43*	
		For Aluminum With Satin Finish, Add	*662.03*	
		For Third Rail, Add	*173.49*	
		For 1" Square x 14 Gauge Pickets, Add	*231.33*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,313.39	84.06
		For Solid Pickets, Add	*502.49*	
		For Aluminum With Satin Finish, Add	*585.91*	
		For Third Rail, Add	*155.49*	
		For 1" Square x 14 Gauge Pickets, Add	*207.32*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,478.43	95.09
		For Solid Pickets, Add	*537.28*	
		For Aluminum With Satin Finish, Add	*621.30*	
		For Third Rail, Add	*165.51*	
		For 1" Square x 14 Gauge Pickets, Add	*220.68*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,732.17	107.17
		For Solid Pickets, Add	*591.77*	
		For Aluminum With Satin Finish, Add	*681.83*	
		For Third Rail, Add	*181.94*	
		For 1" Square x 14 Gauge Pickets, Add	*242.59*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,790.79	120.76
		For Solid Pickets, Add	*602.05*	
		For Aluminum With Satin Finish, Add	*681.95*	
		For Third Rail, Add	*183.43*	
		For 1" Square x 14 Gauge Pickets, Add	*244.57*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket	19.34	
		For 1" Square x 14 Gauge Pickets, Add	*0.43*	

32 31 19 00-0168 Remove And Reinstall Ornamental Fences *(32 31 19)*

Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	33.77	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	37.15	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	40.53	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	43.90	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	47.28	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	50.66	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	56.29	

32 31 26 Wire Fences And Gates *(32 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 00-0001		**Chicken Wire** *(32 31 26)* Note: Posts at 4'.		
32 31 26 00-0002	LF	1" Mesh, 4' High Chicken Wire Posts At 4'	6.05	1.37
32 31 26 00-0003	LF	2" Mesh, 6' High Chicken Wire Posts At 4'	6.68	1.37
32 31 26 00-0004		**Wire And Screen** *(32 31 26)*		
32 31 26 00-0005		**Wire And Screen For Partitions And Fences** *(32 31 26 00-0004)* Note: Excludes framing and post.		
32 31 26 00-0006		**Screen Wire** *(32 31 26 00-0005)*		
32 31 26 00-0007	LF	Screen Wire, 48" Wide Rolls	9.93	0.92
32 31 26 00-0008		**Hog Wire** *(32 31 26 00-0005)*		
32 31 26 00-0009	SF	4" x 4" Hog Wire For Fencing	1.81	0.74
32 31 26 00-0010	SF	6" x 6" Hog Wire For Fencing	1.90	0.83
32 31 26 00-0011		**Non-Climb Horse Fence** *(32 31 26 00-0005)*		
32 31 26 00-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	7.96	2.96
32 31 26 00-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	10.14	3.70
32 31 26 00-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.58	4.44
32 31 26 00-0015		**Screen For Partitions And Ceilings** *(32 31 26 00-0004)* Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016	SF	1" Mesh Chicken Wire	1.54	
32 31 26 00-0017		**Wicket Fence** *(32 31 26)*		
32 31 26 00-0018	LF	Steel Wicket Fence, Painted	43.94	4.02
32 31 29		**Wood Fences And Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		**Basket Weave** *(32 31 29)* Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	24.77	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.52*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	18.13	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.21*	
32 31 29 00-0004		**Board Fence** *(32 31 29)* Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	16.15	2.73
		For 1" x 6" Boards, Deduct	*-2.03*	
		For 1" x 3" Boards (Stockade Top), Add	*2.63*	
		For Fastening With Screws Instead Of Nails, Add	*1.12*	
32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	17.68	2.73
		For 1" x 6" Boards, Deduct	*-2.20*	
		For 1" x 3" Boards (Stockade Top), Add	*2.83*	
		For Fastening With Screws Instead Of Nails, Add	*1.22*	
32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	19.11	2.73
		For 1" x 6" Boards, Deduct	*-2.31*	
		For 1" x 3" Boards (Stockade Top), Add	*2.96*	
		For Fastening With Screws Instead Of Nails, Add	*1.31*	
32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	20.19	2.73
		For 1" x 6" Boards, Deduct	*-2.42*	
		For 1" x 3" Boards (Stockade Top), Add	*3.09*	
		For Fastening With Screws Instead Of Nails, Add	*1.38*	
32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	21.31	2.73
		For 1" x 6" Boards, Deduct	*-2.52*	
		For 1" x 3" Boards (Stockade Top), Add	*3.22*	
		For Fastening With Screws Instead Of Nails, Add	*1.45*	
32 31 29 00-0010	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	16.75	2.73
		For 1" x 6" Boards, Deduct	*-2.06*	
		For 1" x 3" Boards (Stockade Top), Add	*2.64*	
		For Fastening With Screws Instead Of Nails, Add	*1.15*	
32 31 29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	18.14	2.73
		For 1" x 6" Boards, Deduct	*-2.21*	
		For 1" x 3" Boards (Stockade Top), Add	*2.84*	
		For Fastening With Screws Instead Of Nails, Add	*1.25*	
32 31 29 00-0012	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	19.11	2.73
		For 1" x 6" Boards, Deduct	*-2.31*	
		For 1" x 3" Boards (Stockade Top), Add	*2.96*	
		For Fastening With Screws Instead Of Nails, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0013	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	20.19	2.73
		For 1" x 6" Boards, Deduct	*-2.42*	
		For 1" x 3" Boards (Stockade Top), Add	*3.09*	
		For Fastening With Screws Instead Of Nails, Add	*1.38*	
32 31 29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	21.31	2.73
		For 1" x 6" Boards, Deduct	*-2.52*	
		For 1" x 3" Boards (Stockade Top), Add	*3.22*	
		For Fastening With Screws Instead Of Nails, Add	*1.45*	
32 31 29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar	16.75	2.73
		For 1" x 6" Boards, Deduct	*-2.06*	
		For 1" x 3" Boards (Stockade Top), Add	*2.64*	
		For Fastening With Screws Instead Of Nails, Add	*1.15*	
32 31 29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar	20.18	2.73
		For 1" x 6" Boards, Deduct	*-2.30*	
		For 1" x 3" Boards (Stockade Top), Add	*2.91*	
		For Fastening With Screws Instead Of Nails, Add	*1.35*	
32 31 29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar	21.07	2.73
		For 1" x 6" Boards, Deduct	*-2.39*	
		For 1" x 3" Boards (Stockade Top), Add	*3.02*	
		For Fastening With Screws Instead Of Nails, Add	*1.40*	
32 31 29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	22.38	2.73
		For 1" x 6" Boards, Deduct	*-2.50*	
		For 1" x 3" Boards (Stockade Top), Add	*3.16*	
		For Fastening With Screws Instead Of Nails, Add	*1.48*	
32 31 29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar	23.75	2.73
		For 1" x 6" Boards, Deduct	*-2.62*	
		For 1" x 3" Boards (Stockade Top), Add	*3.29*	
		For Fastening With Screws Instead Of Nails, Add	*1.57*	
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	16.91	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.13*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	20.55	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.37*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	21.81	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.44*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	23.39	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.55*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	14.23	2.73
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	12.91	2.73
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	15.89	2.73
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	13.83	2.73
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	13.89	2.73
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	12.89	2.73
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	15.24	2.73
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	14.02	2.73
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	15.19	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.09*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	14.88	2.73
		For Fastening With Screws Instead Of Nails, Add	*1.07*	
32 31 29 00-0039		**Wood Gate** *(32 31 29)*		
32 31 29 00-0040		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0039)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	264.68	106.40
32 31 29 00-0042	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	286.79	112.79
32 31 29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	317.40	123.43
32 31 29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	347.80	129.81
32 31 29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	378.21	136.19
32 31 29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	343.14	140.46
32 31 29 00-0047	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	366.30	146.84
32 31 29 00-0048	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	389.43	153.22
32 31 29 00-0049	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	422.95	159.61
32 31 29 00-0050	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	451.28	165.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0051		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0039)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	310.99	85.47
32 31 29 00-0053	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	324.36	90.60
32 31 29 00-0054	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	345.60	99.15
32 31 29 00-0055	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	364.16	104.27
32 31 29 00-0056	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	385.82	109.41
32 31 29 00-0057	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	381.25	112.83
32 31 29 00-0058	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	396.70	117.95
32 31 29 00-0059	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	417.32	123.08
32 31 29 00-0060	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	437.95	128.20
32 31 29 00-0061	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	458.58	133.34
32 31 29 00-0062		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0039)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	326.55	85.47
32 31 29 00-0064	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	342.00	90.60
32 31 29 00-0065	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	364.27	99.15
32 31 29 00-0066	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	384.91	104.27
32 31 29 00-0067	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	405.53	109.41
32 31 29 00-0068	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	402.00	112.83
32 31 29 00-0069	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	417.44	117.95
32 31 29 00-0070	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	438.07	123.08
32 31 29 00-0071	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	458.70	128.20
32 31 29 00-0072	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	484.51	133.34
32 31 29 00-0073		**Pressure Treated Wood Fence Posts** *(32 31 29)* See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0657 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0074	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	25.81	10.65
32 31 29 00-0075	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	27.45	10.65
32 31 29 00-0076	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	47.50	20.43
32 31 29 00-0077	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	49.37	20.43
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		**Barbed Wire Fences** *(32 31 56)* Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002		**Fence Posts** *(32 31 56 00-0001)*		
32 31 56 00-0003		**Fence Post Soil, Set In Concrete** *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.09	6.00
		For Bracing On Corner Post, End Post And Pull Post, Add	*102.78*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.42	6.00
		For Bracing On Corner Post, End Post And Pull Post, Add	*136.73*	
32 31 56 00-0006		**Post In Rock** *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	62.77	6.00
		For Bracing On Corner Post, End Post And Pull Post, Add	*100.80*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	83.10	6.00
		For Bracing On Corner Post, End Post And Pull Post, Add	*134.75*	
32 31 56 00-0009		**Studded Steel T-Posts, Enamel Paint Finish** *(32 31 56 00-0001)* Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	18.48	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	18.93	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	19.68	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	20.44	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	21.40	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	23.90	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	28.37	
32 31 56 00-0017		**Barbed Wire** *(32 31 56 00-0001)* Note: Per strand.		
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.65	0.30
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.73	0.30
32 31 56 00-0020		**Barbed Wire Fence, Farm Style, With Wood Posts** *(32 31 56 00-0001)* Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	7.86	1.96

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF	4' High With Base, 10" Thick Reinforced	265.74	105.49
		For >3:1 Sloped Soil At Top, Add	*4.66*	
32 32 13 00-0002	LF	6' High With Base, 10" Thick Reinforced	330.48	129.81
		For >3:1 Sloped Soil At Top, Add	*6.02*	
32 32 13 00-0003	LF	8' High With Base, 10" Thick Reinforced	359.15	140.02
		For >3:1 Sloped Soil At Top, Add	*6.72*	
32 32 13 00-0004	LF	10' High With Base, 13" Thick Reinforced	454.39	173.13
		For >3:1 Sloped Soil At Top, Add	*9.20*	
32 32 13 00-0005	LF	12' High With Base, 14" Thick Reinforced	523.33	198.86
		For >3:1 Sloped Soil At Top, Add	*10.67*	
32 32 13 00-0006	LF	16' High With Base, 16" Thick Reinforced	759.41	291.75
		For >3:1 Sloped Soil At Top, Add	*14.96*	
32 32 13 00-0007	LF	20' High With Base, 18" Thick Reinforced	1,043.91	402.77
		For >3:1 Sloped Soil At Top, Add	*20.26*	
32 32 13 00-0008	LF	4' High With Base, 12" Thick Reinforced	291.62	115.20
		For >3:1 Sloped Soil At Top, Add	*5.20*	
32 32 13 00-0009	LF	6' High With Base, 12" Thick Reinforced	355.63	138.82
		For >3:1 Sloped Soil At Top, Add	*6.64*	
32 32 13 00-0010	LF	8' High With Base, 12" Thick Reinforced	375.32	144.84
		For >3:1 Sloped Soil At Top, Add	*7.28*	
32 32 13 00-0011	LF	10' High With Base, 16" Thick Reinforced	513.31	194.11
		For >3:1 Sloped Soil At Top, Add	*10.63*	
32 32 13 00-0012	LF	12' High With Base, 18" Thick Reinforced	652.72	249.35
		For >3:1 Sloped Soil At Top, Add	*13.09*	
32 32 13 00-0013	LF	16' High With Base, 21" Thick Reinforced	981.12	377.95
		For >3:1 Sloped Soil At Top, Add	*19.15*	
32 32 13 00-0014	LF	20' High With Base, 24" Thick Reinforced	1,384.75	533.50
		For >3:1 Sloped Soil At Top, Add	*27.01*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	32.14	10.22
32 32 16 00-0003	SF	Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	31.08	8.21
32 32 16 00-0004	SF	Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	30.85	6.84
32 32 16 00-0005	SF	Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	32.90	6.84
32 32 16 00-0006	SF	Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	33.67	5.83

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	56.10	7.12
		For >3:1 Sloped Soil At Top, Add	*3.56*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	59.18	7.49
		For >3:1 Sloped Soil At Top, Add	*3.76*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	61.67	8.24
		For >3:1 Sloped Soil At Top, Add	*3.84*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	64.32	9.00
		For >3:1 Sloped Soil At Top, Add	*3.94*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	58.28	7.12
		For >3:1 Sloped Soil At Top, Add	*3.74*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	61.37	7.49
		For >3:1 Sloped Soil At Top, Add	*3.94*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	63.86	8.24
		For >3:1 Sloped Soil At Top, Add	*4.03*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	66.51	9.00
		For >3:1 Sloped Soil At Top, Add	*4.13*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	63.51	7.12
		For >3:1 Sloped Soil At Top, Add	*4.19*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	66.60	7.49
		For >3:1 Sloped Soil At Top, Add	*4.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	69.09	8.24
		For >3:1 Sloped Soil At Top, Add	*4.47*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	71.74	9.00
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 23 13-0017		"Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	56.10	7.12
		For >3:1 Sloped Soil At Top, Add	*3.56*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	59.18	7.49
		For >3:1 Sloped Soil At Top, Add	*3.76*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	61.67	8.24
		For >3:1 Sloped Soil At Top, Add	*3.84*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	64.32	9.00
		For >3:1 Sloped Soil At Top, Add	*3.94*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		"Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	49.46	7.12
		For >3:1 Sloped Soil At Top, Add	*2.99*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	54.73	7.49
		For >3:1 Sloped Soil At Top, Add	*3.38*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	57.26	8.24
		For >3:1 Sloped Soil At Top, Add	*3.47*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	59.50	9.00
		For >3:1 Sloped Soil At Top, Add	*3.53*	
32 32 23 13-0027		Retaining Wall Cap Block Restoration *(32 32 23 13-0001)* Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	22.78	
		For >3:1 Sloped Soil At Top, Add	*1.06*	
32 32 26		**Metal Crib Retaining Walls** *(32 32)*		
32 32 26 00-0001		Aluminized Steel Bin *(32 32 26)* Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF	4' High, 5.5' Deep Aluminized Steel Bin	26.08	3.74
		For >3:1 Sloped Soil At Top, Add	*1.58*	
		For Galvanized Type, Deduct	*-1.86*	
32 32 26 00-0003	SF	8' High, 5.5' Deep Aluminized Steel Bin	28.99	3.74
		For >3:1 Sloped Soil At Top, Add	*1.82*	
		For Galvanized Type, Deduct	*-2.15*	
32 32 26 00-0004	SF	10' High, 7.7' Deep Aluminized Steel Bin	30.97	4.08
		For >3:1 Sloped Soil At Top, Add	*1.94*	
		For Galvanized Type, Deduct	*-2.29*	
32 32 26 00-0005	SF	12' High, 7.7' Deep Aluminized Steel Bin	35.27	4.60
		For >3:1 Sloped Soil At Top, Add	*2.22*	
		For Galvanized Type, Deduct	*-2.61*	
32 32 26 00-0006	SF	16' High, 7.7' Deep Aluminized Steel Bin	34.13	4.78
		For >3:1 Sloped Soil At Top, Add	*2.10*	
		For Galvanized Type, Deduct	*-2.47*	
32 32 26 00-0007	SF	16' High, 9.9' Deep Aluminized Steel Bin	37.80	4.87
		For >3:1 Sloped Soil At Top, Add	*2.39*	
		For Galvanized Type, Deduct	*-2.82*	
32 32 26 00-0008	SF	20' High, 9.9' Deep Aluminized Steel Bin	41.82	5.12
		For >3:1 Sloped Soil At Top, Add	*2.68*	
		For Galvanized Type, Deduct	*-3.15*	
32 32 26 00-0009	SF	20' High, 12.1' Deep Aluminized Steel Bin	42.85	5.39
		For >3:1 Sloped Soil At Top, Add	*2.73*	
		For Galvanized Type, Deduct	*-3.22*	
32 32 26 00-0010	SF	24' High, 12.1' Deep Aluminized Steel Bin	44.95	5.39
		For >3:1 Sloped Soil At Top, Add	*2.91*	
		For Galvanized Type, Deduct	*-3.42*	
32 32 26 00-0011	SF	24' High, 14.3' Deep Aluminized Steel Bin	47.05	5.48
		For >3:1 Sloped Soil At Top, Add	*3.08*	
		For Galvanized Type, Deduct	*-3.62*	
32 32 26 00-0012	SF	28' High, 14.3' Deep Aluminized Steel Bin	48.58	5.56
		For >3:1 Sloped Soil At Top, Add	*3.19*	
		For Galvanized Type, Deduct	*-3.75*	
32 32 29		**Timber Retaining Walls** *(32 32)*		
32 32 29 00-0001		Wood Post Retaining Walls *(32 32 29)* Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood	77.39	23.17
		For >3:1 Sloped Soil At Top, Add	*2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood	151.39	45.36
		For >3:1 Sloped Soil At Top, Add	*5.16*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar	73.42	23.17
		For >3:1 Sloped Soil At Top, Add	*2.31*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar	143.67	45.36
		For >3:1 Sloped Soil At Top, Add	*4.51*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber	70.35	20.24
		For >3:1 Sloped Soil At Top, Add	*2.53*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber	137.75	39.59
		For >3:1 Sloped Soil At Top, Add	*4.97*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber	62.23	17.97
		For >3:1 Sloped Soil At Top, Add	*2.23*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber	112.51	32.52
		For >3:1 Sloped Soil At Top, Add	*4.04*	
32 32 29 00-0010	LF	6 x 6, 2' High, Redwood	211.46	54.96
		For >3:1 Sloped Soil At Top, Add	*8.63*	
32 32 29 00-0011	LF	6 x 6, 4' High, Redwood	418.50	107.72
		For >3:1 Sloped Soil At Top, Add	*17.27*	
32 32 29 00-0012	LF	6 x 6, 2' High, Cedar	207.05	54.96
		For >3:1 Sloped Soil At Top, Add	*8.26*	
32 32 29 00-0013	LF	6 x 6, 4' High, Cedar	407.46	107.72
		For >3:1 Sloped Soil At Top, Add	*16.33*	
32 32 29 00-0014	LF	6 x 6, 2' High, Pressure Treated Lumber	184.25	44.63
		For >3:1 Sloped Soil At Top, Add	*8.07*	
32 32 29 00-0015	LF	6 x 6, 4' High, Pressure Treated Lumber	366.20	88.13
		For >3:1 Sloped Soil At Top, Add	*16.14*	
32 32 29 00-0016	LF	6 x 6, 2' High, Creosoted Lumber	147.63	35.69
		For >3:1 Sloped Soil At Top, Add	*6.48*	
32 32 29 00-0017	LF	6 x 6, 4' High, Creosoted Lumber	290.92	69.83
		For >3:1 Sloped Soil At Top, Add	*12.86*	
32 32 29 00-0018	LF	8 x 8, 4' High, Redwood	540.76	119.10
		For >3:1 Sloped Soil At Top, Add	*25.71*	
32 32 29 00-0019	LF	8 x 8, 6' High, Redwood	1,012.12	222.35
		For >3:1 Sloped Soil At Top, Add	*48.24*	
32 32 29 00-0020	LF	8 x 8, 4' High, Cedar	518.68	119.10
		For >3:1 Sloped Soil At Top, Add	*23.84*	
32 32 29 00-0021	LF	8 x 8, 6' High, Cedar	970.17	222.35
		For >3:1 Sloped Soil At Top, Add	*44.67*	
32 32 29 00-0022	LF	8 x 8, 4' High, Pressure Treated Lumber	500.03	137.39
		For >3:1 Sloped Soil At Top, Add	*19.14*	
32 32 29 00-0023	LF	8 x 8, 6' High, Pressure Treated Lumber	932.71	256.57
		For >3:1 Sloped Soil At Top, Add	*35.66*	
32 32 29 00-0024	LF	8 x 8, 4' High, Creosoted Lumber	404.26	111.05
		For >3:1 Sloped Soil At Top, Add	*15.48*	
32 32 29 00-0025	LF	8 x 8, 6' High, Creosoted Lumber	749.77	206.00
		For >3:1 Sloped Soil At Top, Add	*28.72*	
32 32 29 00-0026	LF	Random Diameter Poles, Cedar 4' High	146.80	45.76
		For >3:1 Sloped Soil At Top, Add	*4.69*	
32 32 29 00-0027	LF	Random Diameter Poles, Cedar 6' High	219.11	68.70
		For >3:1 Sloped Soil At Top, Add	*6.94*	
32 32 29 00-0028	LF	Random Diameter Poles, Cedar 8' High	291.33	91.54
		For >3:1 Sloped Soil At Top, Add	*9.20*	
32 32 29 00-0029	LF	Random Diameter Poles, 4' High Creosoted Lumber	105.86	25.85
		For >3:1 Sloped Soil At Top, Add	*4.60*	
32 32 29 00-0030	LF	Random Diameter Poles, 6' High Creosoted Lumber	154.14	37.31
		For >3:1 Sloped Soil At Top, Add	*6.76*	
32 32 29 00-0031	LF	Random Diameter Poles, 8' High	208.95	50.41
		For >3:1 Sloped Soil At Top, Add	*9.20*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	67.56	13.74
		For >3:1 Sloped Soil At Top, Add	*3.41*	
32 32 29 00-0034	LF	4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	101.04	23.50
		For >3:1 Sloped Soil At Top, Add	*4.60*	
32 32 29 00-0035	LF	6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood	134.58	29.18
		For >3:1 Sloped Soil At Top, Add	*6.48*	
32 32 29 00-0036	LF	6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	187.57	41.38
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 29 00-0037	LF	6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	245.63	53.82
		For >3:1 Sloped Soil At Top, Add	*11.73*	
32 32 29 00-0038	LF	8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	508.87	106.50
		For >3:1 Sloped Soil At Top, Add	*25.15*	
32 32 29 00-0039	LF	8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	578.13	117.96
		For >3:1 Sloped Soil At Top, Add	*29.09*	
32 32 29 00-0040	LF	4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	68.16	14.30
		For >3:1 Sloped Soil At Top, Add	*3.36*	
32 32 29 00-0041	LF	4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	119.29	25.44
		For >3:1 Sloped Soil At Top, Add	*5.82*	
32 32 29 00-0042	LF	6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	117.28	24.95
		For >3:1 Sloped Soil At Top, Add	*5.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0043	LF	6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	163.33	35.85
		For >3:1 Sloped Soil At Top, Add	*7.79*	
32 32 29 00-0044	LF	6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	252.52	57.24
		For >3:1 Sloped Soil At Top, Add	*11.73*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	201.66	43.98
		For >3:1 Sloped Soil At Top, Add	*9.67*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	526.73	109.91
		For >3:1 Sloped Soil At Top, Add	*26.09*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	75.54	26.42
		For >3:1 Sloped Soil At Top, Add	*1.92*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	110.12	37.56
		For >3:1 Sloped Soil At Top, Add	*2.98*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	163.75	51.54
		For >3:1 Sloped Soil At Top, Add	*5.16*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	292.15	86.99
		For >3:1 Sloped Soil At Top, Add	*10.04*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	297.67	86.99
		For >3:1 Sloped Soil At Top, Add	*10.51*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	277.59	83.58
		For >3:1 Sloped Soil At Top, Add	*9.38*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	658.28	192.26
		For >3:1 Sloped Soil At Top, Add	*23.27*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	75.54	26.42
		For >3:1 Sloped Soil At Top, Add	*1.92*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	110.12	37.56
		For >3:1 Sloped Soil At Top, Add	*2.98*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	163.75	51.54
		For >3:1 Sloped Soil At Top, Add	*5.16*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	206.62	64.14
		For >3:1 Sloped Soil At Top, Add	*6.66*	
32 32 29 00-0058	LF	6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	292.15	86.99
		For >3:1 Sloped Soil At Top, Add	*10.04*	
32 32 29 00-0059	LF	6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	277.59	83.58
		For >3:1 Sloped Soil At Top, Add	*9.38*	
32 32 29 00-0060	LF	8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	658.28	192.26
		For >3:1 Sloped Soil At Top, Add	*23.27*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	109.33	28.13
		For >3:1 Sloped Soil At Top, Add	*4.51*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	249.68	64.14
		For >3:1 Sloped Soil At Top, Add	*10.32*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	373.46	96.17
		For >3:1 Sloped Soil At Top, Add	*15.39*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	374.62	82.43
		For >3:1 Sloped Soil At Top, Add	*17.83*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	563.12	123.65
		For >3:1 Sloped Soil At Top, Add	*26.84*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	744.69	162.59
		For >3:1 Sloped Soil At Top, Add	*35.66*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	107.12	28.13
		For >3:1 Sloped Soil At Top, Add	*4.32*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	243.05	64.14
		For >3:1 Sloped Soil At Top, Add	*9.76*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	364.62	96.17
		For >3:1 Sloped Soil At Top, Add	*14.64*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	359.17	82.43
		For >3:1 Sloped Soil At Top, Add	*16.52*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	541.04	123.65
		For >3:1 Sloped Soil At Top, Add	*24.96*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	713.77	162.59
		For >3:1 Sloped Soil At Top, Add	*33.03*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	112.30	37.31
		For >3:1 Sloped Soil At Top, Add	*3.20*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	256.77	85.85
		For >3:1 Sloped Soil At Top, Add	*7.23*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	381.12	127.06
		For >3:1 Sloped Soil At Top, Add	*10.79*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	515.76	172.84
		For >3:1 Sloped Soil At Top, Add	*14.45*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	750.85	251.77
		For >3:1 Sloped Soil At Top, Add	*21.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	996.65	333.80
		For >3:1 Sloped Soil At Top, Add	*27.97*	
32 32 29 00-0083		Pressure Treated Wood *(32 32 29 00-0061)*		
32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	96.28	23.25
		For >3:1 Sloped Soil At Top, Add	*4.23*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	219.05	52.68
		For >3:1 Sloped Soil At Top, Add	*9.67*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	328.03	79.02
		For >3:1 Sloped Soil At Top, Add	*14.45*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	345.66	95.04
		For >3:1 Sloped Soil At Top, Add	*13.23*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	520.25	142.02
		For >3:1 Sloped Soil At Top, Add	*20.08*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	689.00	188.85
		For >3:1 Sloped Soil At Top, Add	*26.46*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	363.44	168.66
		For >3:1 Sloped Soil At Top, Add	*2.21*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	429.83	200.65
		For >3:1 Sloped Soil At Top, Add	*2.42*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	566.48	266.59
		For >3:1 Sloped Soil At Top, Add	*2.83*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	876.72	416.83
		For >3:1 Sloped Soil At Top, Add	*3.66*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,141.45	545.25
		For >3:1 Sloped Soil At Top, Add	*4.33*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,418.02	679.00
		For >3:1 Sloped Soil At Top, Add	*5.10*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	324.71	149.33
		For >3:1 Sloped Soil At Top, Add	*2.21*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	381.87	176.68
		For >3:1 Sloped Soil At Top, Add	*2.42*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	495.70	231.15
		For >3:1 Sloped Soil At Top, Add	*2.83*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	762.78	359.89
		For >3:1 Sloped Soil At Top, Add	*3.66*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	981.62	465.38
		For >3:1 Sloped Soil At Top, Add	*4.33*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,220.88	580.47
		For >3:1 Sloped Soil At Top, Add	*5.10*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	371.31	168.66
		For >3:1 Sloped Soil At Top, Add	*2.88*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	440.74	200.65
		For >3:1 Sloped Soil At Top, Add	*3.35*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	582.23	266.59
		For >3:1 Sloped Soil At Top, Add	*4.17*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	899.74	416.83
		For >3:1 Sloped Soil At Top, Add	*5.61*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,172.95	545.25
		For >3:1 Sloped Soil At Top, Add	*7.00*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,458.00	679.00
		For >3:1 Sloped Soil At Top, Add	*8.50*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	332.58	149.33
		For >3:1 Sloped Soil At Top, Add	*2.88*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	392.78	176.68
		For >3:1 Sloped Soil At Top, Add	*3.35*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	511.45	231.15
		For >3:1 Sloped Soil At Top, Add	*4.17*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	785.80	359.89
		For >3:1 Sloped Soil At Top, Add	*5.61*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,013.12	465.38
		For >3:1 Sloped Soil At Top, Add	*7.00*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,260.86	580.47
		For >3:1 Sloped Soil At Top, Add	*8.50*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	379.79	168.66
		For >3:1 Sloped Soil At Top, Add	*3.60*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	451.52	200.65
		For >3:1 Sloped Soil At Top, Add	*4.26*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	597.37	266.59
		For >3:1 Sloped Soil At Top, Add	*5.46*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	922.76	416.83
		For >3:1 Sloped Soil At Top, Add	*7.57*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,204.45	545.25
		For >3:1 Sloped Soil At Top, Add	*9.68*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,498.59	679.00
		For >3:1 Sloped Soil At Top, Add	*11.95*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	341.06	149.33
		For >3:1 Sloped Soil At Top, Add	*3.60*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	403.68	176.68
		For >3:1 Sloped Soil At Top, Add	*4.27*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	526.59	231.15
		For >3:1 Sloped Soil At Top, Add	*5.46*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	808.82	359.89
		For >3:1 Sloped Soil At Top, Add	*7.57*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,044.62	465.38
		For >3:1 Sloped Soil At Top, Add	*9.68*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,301.45	580.47
		For >3:1 Sloped Soil At Top, Add	*11.95*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $64.00/ton.

32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	388.28	168.66
		For >3:1 Sloped Soil At Top, Add	*4.33*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	450.43	200.65
		For >3:1 Sloped Soil At Top, Add	*4.17*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	613.73	266.59
		For >3:1 Sloped Soil At Top, Add	*6.85*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	946.99	416.83
		For >3:1 Sloped Soil At Top, Add	*9.63*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,237.16	545.25
		For >3:1 Sloped Soil At Top, Add	*12.46*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,539.78	679.00
		For >3:1 Sloped Soil At Top, Add	*15.45*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	349.55	149.33
		For >3:1 Sloped Soil At Top, Add	*4.33*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	414.58	176.68
		For >3:1 Sloped Soil At Top, Add	*5.20*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	542.95	231.15
		For >3:1 Sloped Soil At Top, Add	*6.85*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	833.05	359.89
		For >3:1 Sloped Soil At Top, Add	*9.63*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,077.33	465.38
		For >3:1 Sloped Soil At Top, Add	*12.46*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,342.64	580.47
		For >3:1 Sloped Soil At Top, Add	*15.45*	

32 35 Screening Devices *(32 30)*

32 35 16 Sound Barriers *(32 35)*

32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns *(32 35 16)*

Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)

32 35 16 00-0002 4" Thick *(32 35 16 00-0001)*

32 35 16 00-0003	LF	6' High x 4" Thick Precast Concrete Sound Walls	102.38	18.68
32 35 16 00-0004	LF	7' High x 4" Thick Precast Concrete Sound Walls	111.05	20.85
32 35 16 00-0005	LF	8' High x 4" Thick Precast Concrete Sound Walls	120.88	22.59
32 35 16 00-0006	LF	9' High x 4" Thick Precast Concrete Sound Walls	129.19	24.33
32 35 16 00-0007	LF	10' High x 4" Thick Precast Concrete Sound Walls	136.63	26.06
32 35 16 00-0008	LF	11' High x 4" Thick Precast Concrete Sound Walls	146.67	26.93
32 35 16 00-0009	LF	12' High x 4" Thick Precast Concrete Sound Walls	156.33	28.23

32 35 16 00-0010 6" Thick *(32 35 16 00-0001)*

32 35 16 00-0011	LF	6' High x 6" Thick Precast Concrete Sound Walls	121.96	21.72
32 35 16 00-0012	LF	7' High x 6" Thick Precast Concrete Sound Walls	132.28	24.33
32 35 16 00-0013	LF	8' High x 6" Thick Precast Concrete Sound Walls	144.00	26.93
32 35 16 00-0014	LF	9' High x 6" Thick Precast Concrete Sound Walls	153.86	28.67
32 35 16 00-0015	LF	10' High x 6" Thick Precast Concrete Sound Walls	162.74	30.40
32 35 16 00-0016	LF	11' High x 6" Thick Precast Concrete Sound Walls	174.72	31.71
32 35 16 00-0017	LF	12' High x 6" Thick Precast Concrete Sound Walls	186.28	33.01

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0018		8" Thick *(32 35 16 00-0001)*			
32 35 16 00-0019	LF	6' High x 8" Thick Precast Concrete Sound Walls		146.86	26.06
32 35 16 00-0020	LF	7' High x 8" Thick Precast Concrete Sound Walls		159.23	28.67
32 35 16 00-0021	LF	8' High x 8" Thick Precast Concrete Sound Walls		173.34	31.28
32 35 16 00-0022	LF	9' High x 8" Thick Precast Concrete Sound Walls		185.21	33.88
32 35 16 00-0023	LF	10' High x 8" Thick Precast Concrete Sound Walls		195.88	36.05
32 35 16 00-0024	LF	11' High x 8" Thick Precast Concrete Sound Walls		210.38	37.35
32 35 16 00-0025	LF	12' High x 8" Thick Precast Concrete Sound Walls		224.38	39.09
32 35 16 00-0026		Redwood Top *(32 35 16 00-0001)*			
32 35 16 00-0027	LF	2" x 6" Redwood, Construction Grade/Rough		3.53	0.92
32 35 16 00-0028	LF	2" x 8" Redwood, Construction Grade/Rough		4.15	1.21
32 35 16 00-0029	LF	2" x 10" Redwood, Construction Grade/Rough		6.25	1.48
32 35 16 00-0030	LF	2" x 12" Redwood, Construction Grade/Rough		7.53	1.85
32 35 16 00-0031	LF	2" x 6" Redwood, Con Heart/Smooth		4.24	0.92
32 35 16 00-0032	LF	2" x 8" Redwood, Con Heart/Smooth		6.10	1.21
32 35 16 00-0033	LF	2" x 10" Redwood, Con Heart/Smooth		8.05	1.48
32 35 16 00-0034	LF	2" x 12" Redwood, Con Heart/Smooth		9.67	1.85

32 39 Manufactured Site Specialties *(32 30)*

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		35.70	9.95
		For Galvanized Steel, Add		*2.68*	
		For 304 Stainless Steel, Add		*21.32*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*103.64*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add		*76.34*	
		For Schedule 80, Add		*4.36*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		44.82	9.95
		For Galvanized Steel, Add		*4.23*	
		For 304 Stainless Steel, Add		*33.63*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*103.64*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add		*76.34*	
		For Schedule 80, Add		*5.73*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		61.82	12.45
		For Galvanized Steel, Add		*6.28*	
		For 304 Stainless Steel, Add		*49.87*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*137.52*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*116.17*	
		For Schedule 80, Add		*8.03*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		80.40	14.93
		For Galvanized Steel, Add		*8.59*	
		For 304 Stainless Steel, Add		*68.23*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*157.44*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*125.78*	
		For Schedule 80, Add		*10.57*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated		102.53	19.91
		For Galvanized Steel, Add		*10.66*	
		For 304 Stainless Steel, Add		*84.67*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add		*212.24*	
		For Each Sleeve For Removable, Lockable Bollard, Add		*173.69*	
		For Schedule 80, Add		*13.39*	

32 39 13 00-0008 Cast Bollards *(32 39 13 00-0001)*

32 39 13 00-0009	EA	36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.		1,006.14	59.72
32 39 13 00-0010	EA	36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		1,672.94	59.72
32 39 13 00-0011	EA	36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.		858.72	59.72
32 39 13 00-0012	EA	36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		1,529.46	59.72

32 39 16 Manufactured Concrete Bollards *(32 39)*

32 39 16 00-0001 Concrete Bollards *(32 39 16)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 16 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 16 00-0001)*

32 39 16 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.		388.71	79.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 16 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.	388.71	79.64

32 39 19 Manufactured Wood Bollards *(32 39)*

32 39 19 00-0001 Wood Bollards *(32 39 19)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 19 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 19 00-0001)*

32 39 19 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	18.69	7.96
		For Each Sleeve For Removable, Lockable Bollard, Add	*77.76*	
32 39 19 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	21.60	7.96
		For Each Sleeve For Removable, Lockable Bollard, Add	*77.76*	
32 39 19 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	28.00	8.96
		For Each Sleeve For Removable, Lockable Bollard, Add	*119.78*	
32 39 19 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	39.61	11.94
		For Each Sleeve For Removable, Lockable Bollard, Add	*131.30*	
32 39 19 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	54.48	15.93
		For Each Sleeve For Removable, Lockable Bollard, Add	*184.79*	

32 39 23 Manufactured Plastic Bollards *(32 39)*

32 39 23 00-0001 Plastic Bollards *(32 39 23)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Recycled Plastic Bollards *(32 39 23 00-0001)*

32 39 23 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	206.01	39.81
32 39 23 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	318.51	39.81

32 39 23 00-0005 Plastic Bollard Covers *(32 39 23 00-0001)*

32 39 23 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	50.90	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	55.23	9.61
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	67.62	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	67.62	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	75.43	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	67.62	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	68.74	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	67.62	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	68.74	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	94.38	8.74
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	69.37	9.61
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	87.21	9.61
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	98.71	9.61
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	84.50	10.48
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	91.19	10.48
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	91.19	10.48
		For Reflective Tape, Add	*5.31*	
32 39 23 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	121.30	10.48
		For Reflective Tape, Add	*5.31*	

32 39 26 Manufactured Stone Bollards *(32 39)*

32 39 26 00-0001 Stone Bollards *(32 39 26)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 26 00-0002 Granite Bollards *(32 39 26 00-0001)*

32 39 26 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	959.00	99.55
32 39 26 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,218.26	139.36
32 39 26 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	605.29	99.55
32 39 26 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	877.74	79.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 26 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,299.16	79.64

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	35.08	9.15
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	49.08	9.15
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	48.11	9.15
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	61.27	9.15

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	89.07	9.15
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	89.79	9.15
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	41.20	9.15
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	41.78	9.15
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	95.81	9.15
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	49.91	9.15
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	54.44	9.15

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	40.61	9.15
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	40.61	9.15
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	40.61	9.15
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	45.38	9.15

32 84 13 00-0020 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	3.15	1.28
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	3.10	1.47
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	2.69	1.28
		For Shallow Trenching And Backfill By Hand, Add	*5.26*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	3.09	1.47
		For Shallow Trenching And Backfill By Hand, Add	*5.70*	

32 84 13 00-0025 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.37	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.38	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.41	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	2.50	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	2.35	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.45	
		For Compression Fitting, Add	*0.17*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	2.50	
		For Compression Fitting, Add	*0.22*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	2.53	
		For Compression Fitting, Add	*0.25*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	2.54	
		For Compression Fitting, Add	*0.26*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	2.64	
		For Compression Fitting, Add	*0.36*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	2.76	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.38	

32 84 13 00-0038 Drip Emitters *(32 84 13 00-0001)*

32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	4.85	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	5.31	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	10.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0042		Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	19.02	8.24
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	19.04	8.24
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	20.32	8.24
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	20.46	8.24
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	28.78	10.79
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	30.43	10.79
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	28.74	10.79
32 84 13 00-0050		Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	3.51	1.60
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		Sprinkler Heads *(32 84 23)*		
32 84 23 00-0002		Spray Sprinkler Heads *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	25.72	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	24.79	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	28.25	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	31.16	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	26.09	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	30.97	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	33.32	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	27.48	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	31.93	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	34.12	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	28.04	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	34.86	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	37.03	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	22.97	10.10
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	25.13	10.10
32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	32.58	10.10
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	33.35	10.10
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	30.72	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	39.06	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	32.27	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	40.30	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	32.89	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	34.12	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	42.15	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	47.09	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	33.97	10.10
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	38.91	10.10
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	50.65	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*22.74*	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	68.56	10.10
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	42.00	10.10
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	34.59	10.10
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	59.28	10.10
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	108.42	42.11
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	108.42	42.11
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	120.46	48.01
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	109.03	42.11
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	109.03	42.11
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	121.38	48.01
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	122.00	48.01
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	158.45	42.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	180.08	42.11
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	207.88	42.11
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	216.49	47.33
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	238.11	47.33
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	265.91	47.33
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	247.37	47.33
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	269.00	47.33
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	296.80	47.33
32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	219.95	42.11
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	319.35	42.11
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	328.34	42.11
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	738.49	56.85
32 84 23 00-0068		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	209.78	47.33
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	239.34	47.33
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	271.44	47.33
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	313.69	47.33
32 84 23 00-0073		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	265.35	47.33
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	383.28	47.33
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	393.39	47.33
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	778.65	47.33
32 84 23 00-0078		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	264.88	42.11
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	364.28	42.11
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	373.27	42.11
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	783.42	56.85
32 84 23 00-0083		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	256.12	47.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	285.68	47.33
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	317.77	47.33
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	360.02	47.33
32 84 23 00-0088		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	310.27	47.33
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	428.21	47.33
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	438.32	47.33
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	823.58	47.33
32 84 23 00-0093		Other Electric Remote Control Valves/Accessories *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	80.03	
32 84 23 00-0095		Irrigation Valve Boxes *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0096	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	69.80	30.32
32 84 23 00-0097	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	77.09	30.32
32 84 23 00-0098	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	101.23	39.93
32 84 23 00-0099	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	167.76	58.28
32 84 23 00-0100	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	170.41	58.28
32 84 23 00-0101	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	189.38	58.28
32 84 23 00-0102	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	191.64	58.28
32 84 23 00-0103	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	300.08	58.28
32 84 23 00-0104	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	440.52	58.28
32 84 23 00-0105		Irrigation Controllers *(32 84 23)*		
		See CSI section 27 14 13 16-0074 for low voltage wiring.		
32 84 23 00-0106		Irrigation Controllers *(32 84 23 00-0105)*		
32 84 23 00-0107		Irrigation Controllers (Rain Bird®) *(32 84 23 00-0106)*		
32 84 23 00-0108		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0107)*		
32 84 23 00-0109		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0108)*		
32 84 23 00-0110		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0109)*		
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	200.04	27.22
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	280.75	27.22
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	361.44	27.22
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	442.15	27.22
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	495.64	27.22
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	579.73	27.22
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	663.84	27.22
32 84 23 00-0118		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0109)*		
32 84 23 00-0119	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	222.89	27.22
32 84 23 00-0120	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	303.60	27.22
32 84 23 00-0121	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	384.29	27.22
32 84 23 00-0122	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	465.00	27.22
32 84 23 00-0123	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	518.49	27.22
32 84 23 00-0124	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	602.58	27.22
32 84 23 00-0125	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	686.69	27.22
32 84 23 00-0126		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0108)*		
32 84 23 00-0127		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0126)*		
32 84 23 00-0128	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	279.41	27.22
32 84 23 00-0129	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	360.13	27.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0130	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	440.82	27.22
32 84 23 00-0131	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	521.52	27.22
32 84 23 00-0132	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	575.01	27.22
32 84 23 00-0133	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	659.10	27.22
32 84 23 00-0134	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	743.21	27.22

32 84 23 00-0135 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0126)*

32 84 23 00-0136	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	296.54	27.22
32 84 23 00-0137	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	377.25	27.22
32 84 23 00-0138	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	457.94	27.22
32 84 23 00-0139	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	538.64	27.22
32 84 23 00-0140	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	592.13	27.22
32 84 23 00-0141	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	676.22	27.22
32 84 23 00-0142	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	760.33	27.22

32 84 23 00-0143 Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0108)*

32 84 23 00-0144	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	84.10	
32 84 23 00-0145	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	163.45	
32 84 23 00-0146	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	177.13	

32 84 23 00-0147 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0107)*

32 84 23 00-0148 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0147)*

32 84 23 00-0149	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	445.92	27.22
32 84 23 00-0150	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	545.95	27.22
32 84 23 00-0151	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	647.07	27.22
32 84 23 00-0152	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	747.10	27.22
32 84 23 00-0153	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	848.23	27.22
32 84 23 00-0154	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	948.25	27.22
32 84 23 00-0155	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,049.38	27.22
32 84 23 00-0156	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,149.39	27.22
32 84 23 00-0157	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,250.52	27.22
32 84 23 00-0158	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,350.55	27.22

32 84 23 00-0159 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0147)*

32 84 23 00-0160	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	412.40	27.22
32 84 23 00-0161	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	512.41	27.22
32 84 23 00-0162	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	613.55	27.22
32 84 23 00-0163	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	713.56	27.22
32 84 23 00-0164	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	814.70	27.22
32 84 23 00-0165	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	914.72	27.22
32 84 23 00-0166	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,015.85	27.22
32 84 23 00-0167	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,115.87	27.22
32 84 23 00-0168	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,216.99	27.22
32 84 23 00-0169	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,317.01	27.22
32 84 23 00-0170	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,418.15	27.22

32 84 23 00-0171 Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0147)*

32 84 23 00-0172	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	270.28	
32 84 23 00-0173	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	615.36	
32 84 23 00-0174	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	550.09	
32 84 23 00-0175	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	1,213.78	
32 84 23 00-0176	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	100.03	
32 84 23 00-0177	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	201.15	
32 84 23 00-0178	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	308.79	
32 84 23 00-0179	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	107.07	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0180		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0107)*			
32 84 23 00-0181		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0180)*			
32 84 23 00-0182	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)		198.01	27.22
32 84 23 00-0183	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)		244.62	27.22
32 84 23 00-0184	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)		318.99	27.22
32 84 23 00-0185		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0180)*			
32 84 23 00-0186	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)		193.93	
32 84 23 00-0187	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)		57.29	20.42
32 84 23 00-0188		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0107)*			
32 84 23 00-0189	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)		99.93	20.42
32 84 23 00-0190	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)		187.61	20.42
32 84 23 00-0191	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)		194.26	20.42
32 84 23 00-0192	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)		251.88	20.42
32 84 23 00-0193		Two-Wire Decoder Systems *(32 84 23 00-0105)*			
32 84 23 00-0194		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0193)*			
32 84 23 00-0195		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0194)* Note: Includes water resistant cabinet.			
32 84 23 00-0196	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)		1,116.69	27.22
32 84 23 00-0197	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)		1,764.73	27.22
32 84 23 00-0198	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)		2,412.79	27.22
32 84 23 00-0199		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0194)*			
32 84 23 00-0200	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)		149.03	27.22
32 84 23 00-0201	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)		187.02	27.22
32 84 23 00-0202	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)		272.63	27.22
32 84 23 00-0203	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)		319.61	27.22
32 84 23 00-0204	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)		505.16	27.22
32 84 23 00-0205		Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0194)*			
32 84 23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)		859.78	
32 84 23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)		648.04	
32 84 23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)		114.27	23.82
32 84 23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)		419.88	27.22
32 84 23 00-0210		Calsense Controllers *(32 84 23 00-0105)*			
32 84 23 00-0211		Irrigation Controllers *(32 84 23 00-0210)*			
32 84 23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)		1,478.22	68.04
32 84 23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)		1,900.99	76.54
32 84 23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)		2,598.42	85.05
32 84 23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)		2,854.37	85.05
32 84 23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)		3,370.79	93.56
32 84 23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)		4,057.46	93.56
32 84 23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)		4,592.60	102.06
32 84 23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)		5,135.70	102.06
32 84 23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)		1,486.79	34.02
32 84 23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)		635.54	34.02
32 84 23 00-0222		Irrigation Controller Accessories *(32 84 23 00-0210)*			
32 84 23 00-0223	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)		59.93	
32 84 23 00-0224	EA	Spare Lock For Enclosures (Calsense PAD)		64.92	
32 84 23 00-0225	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)		81.93	8.51
32 84 23 00-0226	EA	Transformer For Irrigation Controllers (Calsense TR-1)		130.46	34.02
32 84 23 00-0227	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)		323.98	34.02
32 84 23 00-0228	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)		423.86	34.02
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add		*337.32*	
32 84 23 00-0229		Sensors For Irrigation Controllers *(32 84 23 00-0210)*			
32 84 23 00-0230		Flow Sensors *(32 84 23 00-0229)*			
32 84 23 00-0231	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)		738.80	51.03
		For Flow Meter Replacement Insert Only, Deduct		*-375.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0232	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	763.76	51.03
		For Flow Meter Replacement Insert Only, Deduct	*-400.72*	
32 84 23 00-0233	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	788.74	51.03
		For Flow Meter Replacement Insert Only, Deduct	*-425.70*	
32 84 23 00-0234	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	878.94	68.04
		For Flow Meter Replacement Insert Only, Deduct	*-515.68*	
32 84 23 00-0235	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	941.36	68.04
		For Flow Meter Replacement Insert Only, Deduct	*-578.10*	
32 84 23 00-0236	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	966.33	68.04
		For Flow Meter Replacement Insert Only, Deduct	*-603.07*	
32 84 23 00-0237	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	1,128.64	68.04
		For Flow Meter Replacement Insert Only, Deduct	*-637.10*	
32 84 23 00-0238	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	867.08	34.02
		For Flow Meter Replacement Insert Only, Deduct	*-375.54*	

32 84 23 00-0239 Moisture Sensors *(32 84 23 00-0229)*

32 84 23 00-0240	EA	Soil Moisture Sensor (Calsense 1000-S)	313.21	25.51

32 84 23 00-0241 Weather Sensors *(32 84 23 00-0229)*

32 84 23 00-0242	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	853.97	68.04
32 84 23 00-0243	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,015.02	136.08
32 84 23 00-0244	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	1,920.81	102.06

32 84 23 00-0245 Weather Sensor Accessories *(32 84 23 00-0229)*

32 84 23 00-0246	EA	Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	567.44	
32 84 23 00-0247	EA	Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,054.36	
32 84 23 00-0248	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	567.44	34.02
32 84 23 00-0249	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	1,276.28	34.02

32 84 23 00-0250 Antennas For Irrigation Controllers *(32 84 23 00-0210)*

Note: Excludes antenna cable.

32 84 23 00-0251	EA	Local Radio Dome Antenna (Calsense LR-DOME)	305.26	34.02
32 84 23 00-0252	EA	Local Radio Stick Antenna (Calsense LR-STICK)	436.35	34.02
32 84 23 00-0253	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	504.39	68.04
32 84 23 00-0254	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	305.26	34.02
32 84 23 00-0255	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	305.26	34.02
32 84 23 00-0256	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	305.26	34.02
32 84 23 00-0257	EA	GPRS Stick Antenna (Calsense GR-STICK)	436.35	34.02
32 84 23 00-0258	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	305.26	34.02
32 84 23 00-0259	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	436.35	34.02
32 84 23 00-0260	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	504.39	68.04
32 84 23 00-0261	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	305.26	34.02
32 84 23 00-0262	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	305.26	34.02
32 84 23 00-0263	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	305.26	34.02
32 84 23 00-0264	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	305.26	34.02
32 84 23 00-0265	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	8.05	0.41
32 84 23 00-0266	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	296.20	17.01
32 84 23 00-0267	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	486.29	34.02
32 84 23 00-0268	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	405.76	
32 84 23 00-0269	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	574.31	
32 84 23 00-0270	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	424.49	

32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers *(32 84 23 00-0210)*

32 84 23 00-0272	EA	15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	289.34	51.03
32 84 23 00-0273	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	680.84	85.05
32 84 23 00-0274	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	723.50	34.02
32 84 23 00-0275	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	856.31	25.51
32 84 23 00-0276	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	2,655.00	25.51
32 84 23 00-0277	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	2,997.49	25.51
32 84 23 00-0278	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	4,356.61	51.03
32 84 23 00-0279	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	4,565.16	51.03
32 84 23 00-0280	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	153.21	
32 84 23 00-0281	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	494.25	

32 84 23 00-0282 Central Computer For Irrigation Control Systems *(32 84 23 00-0210)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0283	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	3,348.19	
32 84 23 00-0284	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	5,913.29	
32 84 23 00-0285	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	1,140.64	
32 84 23 00-0286	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	2,233.67	
32 84 23 00-0287	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,592.26	
32 84 23 00-0288	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,145.15	
32 84 23 00-0289		Data Access Service *(32 84 23 00-0210)*		
32 84 23 00-0290	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	18.16	
32 84 23 00-0291	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	198.62	
32 84 23 00-0292	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	851.25	
32 84 23 00-0293	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	73.78	
32 84 23 00-0294	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	794.50	
32 84 23 00-0295	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	3,405.00	
32 84 23 00-0296		Communication Options For Irrigation Controllers *(32 84 23 00-0210)*		
32 84 23 00-0297	EA	FCC License Fee (Calsense)	130.50	
32 84 23 00-0298	EA	P.C.I.A. And/Or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	244.00	
32 84 23 00-0299	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	658.30	
32 84 23 00-0300	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	692.35	
32 84 23 00-0301	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	692.35	
32 84 23 00-0302	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,418.75	
32 84 23 00-0303	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,804.65	
32 84 23 00-0304	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,804.65	
32 84 23 00-0305	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,804.65	
32 84 23 00-0306	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,788.50	
32 84 23 00-0307	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	2,238.76	
32 84 23 00-0308		Retrofit Options For Irrigation Controllers *(32 84 23 00-0210)*		
32 84 23 00-0309		Weather Retrofits For Irrigation Controllers *(32 84 23 00-0308)*		
32 84 23 00-0310	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	902.26	
32 84 23 00-0311	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	902.26	
32 84 23 00-0312	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	902.26	
32 84 23 00-0313	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	902.26	
32 84 23 00-0314		Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0308)*		
32 84 23 00-0315	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	947.66	
32 84 23 00-0316	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,117.92	
32 84 23 00-0317	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,781.89	
32 84 23 00-0318		Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0308)*		
32 84 23 00-0319	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,061.16	
32 84 23 00-0320	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,218.86	
32 84 23 00-0321	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	2,877.16	
32 84 23 00-0322		Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0308)*		
32 84 23 00-0323	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,061.16	
32 84 23 00-0324	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,218.86	
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,877.16	
32 84 23 00-0326		Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0308)*		
32 84 23 00-0327	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,061.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0328	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,117.92	
32 84 23 00-0329	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,781.89	
32 84 23 00-0330		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0331	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,061.16	
32 84 23 00-0332	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,218.86	
32 84 23 00-0333	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,877.16	
32 84 23 00-0334		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0335	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,066.84	
32 84 23 00-0336	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	224.73	
32 84 23 00-0337	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	96.48	
32 84 23 00-0338	EA	Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	175.91	
32 84 23 00-0339	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	113.49	8.51
32 84 23 00-0340	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	215.63	8.51
32 84 23 00-0341	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	232.66	8.51
32 84 23 00-0342		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0105)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0343	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,543.59	153.09
32 84 23 00-0344	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,682.51	161.60
32 84 23 00-0345	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	3,696.66	170.09
32 84 23 00-0346		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0347		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0346)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0348	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	429.18	34.77
32 84 23 00-0349	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	510.34	42.45
32 84 23 00-0350	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	757.58	49.42
32 84 23 00-0351	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	804.78	56.73
32 84 23 00-0352	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	970.81	73.21
32 84 23 00-0353		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0346)*		
32 84 23 00-0354	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	106.92	30.32
		For Valve Key, Add	*22.70*	
32 84 23 00-0355	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	109.54	30.32
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*22.70*	
32 84 23 00-0356	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	138.42	30.32
		For Valve Key, Add	*58.07*	
32 84 23 00-0357	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	148.92	30.32
		For Valve Key, Add	*58.07*	
32 84 23 00-0358	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	143.98	30.32
32 84 23 00-0359	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	148.92	30.32
32 84 23 00-0360		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0346)* Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0361	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	139.11	25.62
32 84 23 00-0362	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	191.70	29.29
32 84 23 00-0363	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	329.04	33.85
32 84 23 00-0364	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	399.15	37.51
32 84 23 00-0365	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	409.70	45.75
32 84 23 00-0366		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0367	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.35	1.06
		For >1,000, Deduct	*-0.12*	
32 84 23 00-0368	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.82	1.27
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0369	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.89	1.60
		For >1,000, Deduct	*-0.19*	
32 84 23 00-0370	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.97	2.00
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0371	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	6.20	2.35
		For >1,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0372	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.96	0.85
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0373	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.46	1.06
		For >1,000, Deduct	*-0.12*	
32 84 23 00-0374	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	3.00	1.27
		For >1,000, Deduct	*-0.15*	
32 84 23 00-0375	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	4.02	1.60
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0376	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	5.08	2.00
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0377	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	6.36	2.35
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0378	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	8.91	3.37
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0379	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.04	0.85
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0380	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.56	1.06
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0381	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	3.16	1.27
		For >1,000, Deduct	*-0.16*	
32 84 23 00-0382	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	4.34	1.60
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0383	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittingss	5.62	2.00
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0384	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	7.05	2.35
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0385	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	9.89	3.37
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0386	LF	1/2" Poly Pipe, 100 PSI, Non NSF	1.52	0.91
		For >1,000, Deduct	*-0.08*	
32 84 23 00-0387	LF	3/4" Poly Pipe, 100 PSI, Non NSF	1.60	0.96
		For >1,000, Deduct	*-0.08*	
32 84 23 00-0388	LF	1" Poly Pipe, 100 PSI, Non NSF	1.91	1.11
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0389	LF	1-1/4" Poly Pipe, 100 PSI, Non NSF	2.28	1.29
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0390	LF	1-1/2" Poly Pipe, 100 PSI, Non NSF	2.64	1.46
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0391	LF	2" Poly Pipe, 100 PSI, Non NSF	3.40	1.80
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0392	LF	3/4" Poly Pipe, 80 PSI, NSF	2.15	0.96
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0393	LF	1" Poly Pipe, 80 PSI, NSF	2.59	1.11
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0394	LF	1-1/4" Poly Pipe, 80 PSI, NSF	3.24	1.29
		For >1,000, Deduct	*-0.16*	
32 84 23 00-0395	LF	1-1/2" Poly Pipe, 80 PSI, NSF	3.83	1.46
		For >1,000, Deduct	*-0.19*	
32 84 23 00-0396	LF	2" Poly Pipe, 80 PSI, NSF	5.15	1.80
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0397	LF	3/4" Poly Pipe, 100 PSI, NSF, High Density	1.62	0.96
		For >1,000, Deduct	*-0.08*	
32 84 23 00-0398	LF	1" Poly Pipe, 100 PSI, NSF, High Density	1.94	1.11
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0399	LF	1-1/4" Poly Pipe, 100 PSI, NSF, High Density	2.33	1.29
		For >1,000, Deduct	*-0.12*	
32 84 23 00-0400	LF	1-1/2" Poly Pipe, 100 PSI, NSF, High Density	2.73	1.46
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0401	LF	2" Poly Pipe, 100 PSI, NSF, High Density	3.53	1.80
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0402	LF	2-1/2" Poly Pipe, 100 PSI, NSF, High Density	4.72	2.10
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0403	LF	3" Poly Pipe, 100 PSI, NSF, High Density	5.16	2.31
		For >1,000, Deduct	*-0.26*	

32 84 23 00-0404 Irrigation Swing Joints *(32 84 23)*

32 84 23 00-0405	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	40.58	16.76
32 84 23 00-0406	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	45.99	18.72
32 84 23 00-0407	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	58.34	18.72
32 84 23 00-0408	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	34.14	21.85
32 84 23 00-0409	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	45.57	29.15
32 84 23 00-0410	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	56.60	35.74
32 84 23 00-0411	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	49.02	22.18
32 84 23 00-0412	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	64.79	29.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0413	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	79.19	36.10
32 84 23 00-0414	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	27.72	13.59
32 84 23 00-0415	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	37.00	18.12
32 84 23 00-0416	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	43.45	22.46
32 84 23 00-0417		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0418		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0417)*		
32 84 23 00-0419	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	35.78	12.63
32 84 23 00-0420	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	45.83	14.74
32 84 23 00-0421	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	52.68	16.85
32 84 23 00-0422	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	60.09	18.95
32 84 23 00-0423	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	68.09	21.06
32 84 23 00-0424	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	80.20	23.16
32 84 23 00-0425	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	91.84	25.27
32 84 23 00-0426	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	99.75	27.38
32 84 23 00-0427	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	109.18	29.48
32 84 23 00-0428	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	119.83	31.58
32 84 23 00-0429	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	124.61	33.70
32 84 23 00-0430	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	129.99	35.80
32 84 23 00-0431	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	137.23	37.90
32 84 23 00-0432		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0417)*		
32 84 23 00-0433	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	37.33	12.63
32 84 23 00-0434		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0417)*		
32 84 23 00-0435	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	37.34	12.63
32 84 23 00-0436		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0417)*		
32 84 23 00-0437	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	47.60	12.63
32 84 23 00-0438		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0417)*		
32 84 23 00-0439	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	60.61	12.63
32 84 23 00-0440		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0441	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	63.17	16.85
		For Root Watering Sand Sock, Add	*3.87*	
32 84 23 00-0442	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	67.26	16.85
		For Root Watering Sand Sock, Add	*3.87*	
32 84 23 00-0443	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	63.17	16.85
		For Root Watering Sand Sock, Add	*3.87*	
32 84 23 00-0444	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	67.26	16.85
		For Root Watering Sand Sock, Add	*3.87*	
32 84 23 00-0445	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	67.26	16.85
		For Root Watering Sand Sock, Add	*3.87*	
32 84 23 00-0446	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	54.90	14.74
		For Root Watering Sand Sock, Add	*3.45*	
32 84 23 00-0447	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	58.82	14.74
		For Root Watering Sand Sock, Add	*3.45*	
32 84 23 00-0448	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	54.90	14.74
		For Root Watering Sand Sock, Add	*3.45*	
32 84 23 00-0449	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	58.82	14.74
		For Root Watering Sand Sock, Add	*3.45*	
32 84 23 00-0450	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	38.79	12.63
		For Root Watering Sand Sock, Add	*3.03*	
32 84 23 00-0451	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	42.53	12.63
		For Root Watering Sand Sock, Add	*3.03*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*
Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	91.26
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-7.25*
		For >20 To 50, Deduct	*-10.88*
		For >50, Deduct	*-15.44*
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	89.76
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-7.18*
		For >20 To 50, Deduct	*-10.76*
		For >50, Deduct	*-15.25*
32 91 13 16-0004	CY	Pine Wood Chip Mulch	86.76
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-7.03*
		For >20 To 50, Deduct	*-10.54*
		For >50, Deduct	*-14.88*
32 91 13 16-0005	CY	Hardwood Chip Mulch	92.76
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-7.33*
		For >20 To 50, Deduct	*-10.99*
		For >50, Deduct	*-15.63*
32 91 13 16-0006	CY	Shredded Hardwood Mulch	92.76
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-7.33*
		For >20 To 50, Deduct	*-10.99*
		For >50, Deduct	*-15.63*
32 91 13 16-0007	CY	Shredded Pine Mulch	79.26
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-6.65*
		For >20 To 50, Deduct	*-9.98*
		For >50, Deduct	*-13.94*
32 91 13 16-0008	CY	Shredded Cedar Mulch	108.51
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-8.11*
		For >20 To 50, Deduct	*-12.17*
		For >50, Deduct	*-17.60*
32 91 13 16-0009	CY	Shredded Cypress Mulch	106.26
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-8.00*
		For >20 To 50, Deduct	*-12.00*
		For >50, Deduct	*-17.31*
32 91 13 16-0010	CY	Shredded Redwood Mulch	112.26
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-8.30*
		For >20 To 50, Deduct	*-12.45*
		For >50, Deduct	*-18.06*
32 91 13 16-0011	CY	Pea Gravel Mulch	107.81
		For Work On Slopes >2.5:1, Add	*10.75*
		For >5 To 20, Deduct	*-8.08*
		For >20 To 50, Deduct	*-12.12*
		For >50, Deduct	*-17.51*
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch	173.70
		For Work On Slopes >2.5:1, Add	*13.74*
		For >5 To 20, Deduct	*-12.12*
		For >20 To 50, Deduct	*-18.18*
		For >50, Deduct	*-26.87*
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch	277.20
		For Work On Slopes >2.5:1, Add	*13.74*
		For >5 To 20, Deduct	*-17.30*
		For >20 To 50, Deduct	*-25.94*
		For >50, Deduct	*-39.80*
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch	278.70
		For Work On Slopes >2.5:1, Add	*13.74*
		For >5 To 20, Deduct	*-17.37*
		For >20 To 50, Deduct	*-26.06*
		For >50, Deduct	*-39.99*
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch	485.70
		For Work On Slopes >2.5:1, Add	*13.74*
		For >5 To 20, Deduct	*-27.72*
		For >20 To 50, Deduct	*-41.58*
		For >50, Deduct	*-65.87*
32 91 13 16-0016	EA	Pine Straw Mulch Bale	8.25
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	
		For Work On Slopes >2.5:1, Add	*0.60*
		For >100 To 250, Deduct	*-0.56*
		For >250 To 500, Deduct	*-0.71*
		For >500, Deduct	*-0.98*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0017	EA	Wheat Straw Mulch Bale	8.41	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For Work On Slopes >2.5:1, Add	*0.45*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips	192.66	
		For Work On Slopes >2.5:1, Add	*10.75*	
		For >5 To 20, Deduct	*-12.32*	
		For >20 To 50, Deduct	*-18.48*	
		For >50, Deduct	*-28.11*	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips	95.27	
		For Work On Slopes >2.5:1, Add	*10.75*	
		For >5 To 20, Deduct	*-7.45*	
		For >20 To 50, Deduct	*-11.18*	
		For >50, Deduct	*-15.94*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine	0.85	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*0.17*	
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine	0.97	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*0.19*	
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine	1.14	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*0.23*	
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep	3.93	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*0.79*	
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep	4.52	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*0.90*	
32 91 13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep	5.32	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	*1.06*	

32 91 13 26-0008 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil	68.04	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*13.61*	
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil	136.08	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*27.22*	
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil	10.18	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*2.04*	
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil	13.25	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*2.65*	
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	60.46	
		For Work On Slopes >2.5:1, Add	*12.09*	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	92.13	
		For Work On Slopes >2.5:1, Add	*10.87*	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.72	
		For Work On Slopes >2.5:1, Add	*1.14*	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	51.50	
		For Work On Slopes >2.5:1, Add	*2.74*	

32 91 13 26-0017 Weed Barrier *(32 91 13 26)*

32 91 13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.39	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	1.83	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.03	
		For Work On Slopes >2.5:1, Add	*0.11*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader	0.35	
32 91 13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader	33.68	
32 91 13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader	0.05	
32 91 13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread	2.37	
32 91 13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread	3.89	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.08	
32 91 13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader	6.27	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	3.08	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	319.69	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	2.86	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	312.28	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	64.27	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	54.43	
32 91 13 36-0004	MSF	Screen Loam By Hand	36.28	
32 91 13 36-0005	SY	Roll Topsoil With Machine	0.81	
32 91 13 36-0006	SY	Roll Topsoil By Hand	2.43	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	7.60	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	24.12	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	39.77	
		For >45 to 225, Deduct	*-27.84*	
		For >225, Deduct	*-35.79*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	66.29	
		For >45 to 225, Deduct	*-46.40*	
		For >225, Deduct	*-59.66*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	3.53	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	7.14	
		For Work On Slopes >2.5:1, Add	*1.43*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.58	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.70	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	0.87	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	0.96	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	4.58	
		For Work On Slopes >2.5:1, Add	*0.92*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.48	
		For Work On Slopes >2.5:1, Add	*0.10*	
32 91 13 36-0020	SY	Pile Sod By Hand	2.72	
		For Work On Slopes >2.5:1, Add	*0.54*	
32 91 13 36-0021	SY	Pile Sod With Machine	0.89	
		For Work On Slopes >2.5:1, Add	*0.18*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement And Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	3.59	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	3.55	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.99	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	5.32	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	6.03	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	51.93	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0049 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	2.94	
		For Unscreened, Deduct	*-0.40*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	5.67	
		For Unscreened, Deduct	*-0.79*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	8.20	
		For Unscreened, Deduct	*-1.19*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	11.86	
		For Unscreened, Deduct	*-1.78*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	15.53	
		For Unscreened, Deduct	*-2.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	42.92	
		For Unscreened, Deduct	*-7.13*	

32 91 19 16 Scarify Soil *(32 91 19)*

32 91 19 16-0001 Scarify Soil For Planting Preparation *(32 91 19 16)*
Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	47.63
32 91 19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	33.34
32 91 19 16-0004	MSF	>20,000 SF Scarify Up To 8" Soil With Machine With Scarifier	19.52

32 92 Turf And Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*
Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	187.99
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	36.45
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	30.29

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	143.88
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	28.00
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	22.56

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	119.08
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	18.42
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	14.23

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	36.24
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	34.56
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	35.49
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	40.22
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	43.62
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	39.09
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	33.44
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	22.77
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	107.07
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	57.22
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	22.66
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	27.19

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	73.29
		For Spot Areas Up To 1, Add	*73.61*
		For >1 To 4, Add	*46.87*
		For >4 To 7.5, Add	*31.49*
		For >7.5 To 10, Add	*15.75*
		For >45, Deduct	*-5.68*
		For Tackifier, Add	*0.74*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding	78.32	
		Note: 5.5 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*75.63*	
		For >1 To 4, Add	*47.88*	
		For >4 To 7.5, Add	*31.99*	
		For >7.5 To 10, Add	*16.00*	
		For >45, Deduct	*-5.93*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread	73.50	
		Note: 10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*73.70*	
		For >1 To 4, Add	*46.92*	
		For >4 To 7.5, Add	*31.51*	
		For >7.5 To 10, Add	*15.76*	
		For >45, Deduct	*-5.69*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding	73.29	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For Spot Areas Up To 1, Add	*73.61*	
		For >1 To 4, Add	*46.87*	
		For >4 To 7.5, Add	*31.49*	
		For >7.5 To 10, Add	*15.75*	
		For >45, Deduct	*-5.68*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding	78.32	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For Spot Areas Up To 1, Add	*75.63*	
		For >1 To 4, Add	*47.88*	
		For >4 To 7.5, Add	*31.99*	
		For >7.5 To 10, Add	*16.00*	
		For >45, Deduct	*-5.93*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding	76.16	
		Note: 6 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*74.76*	
		For >1 To 4, Add	*47.45*	
		For >4 To 7.5, Add	*31.78*	
		For >7.5 To 10, Add	*15.89*	
		For >45, Deduct	*-5.82*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding	74.43	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*74.07*	
		For >1 To 4, Add	*47.10*	
		For >4 To 7.5, Add	*31.61*	
		For >7.5 To 10, Add	*15.80*	
		For >45, Deduct	*-5.74*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding	68.83	
		Note: 0.10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*71.83*	
		For >1 To 4, Add	*45.98*	
		For >4 To 7.5, Add	*31.05*	
		For >7.5 To 10, Add	*15.52*	
		For >45, Deduct	*-5.46*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding	119.24	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*91.99*	
		For >1 To 4, Add	*56.06*	
		For >4 To 7.5, Add	*36.09*	
		For >7.5 To 10, Add	*18.04*	
		For >45, Deduct	*-7.98*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	103.46	
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*85.68*	
		For >1 To 4, Add	*52.91*	
		For >4 To 7.5, Add	*34.51*	
		For >7.5 To 10, Add	*17.25*	
		For >45, Deduct	*-7.19*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	62.02	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*69.11*	
		For >1 To 4, Add	*44.62*	
		For >4 To 7.5, Add	*30.36*	
		For >7.5 To 10, Add	*15.18*	
		For >45, Deduct	*-5.11*	
		For Tackifier, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	70.42	
		For Spot Areas Up To 1, Add	*72.47*	
		For >1 To 4, Add	*46.30*	
		For >4 To 7.5, Add	*31.20*	
		For >7.5 To 10, Add	*15.60*	
		For >45, Deduct	*-5.53*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 LB/MSF spread rate.	74.73	
		For Spot Areas Up To 1, Add	*74.19*	
		For >1 To 4, Add	*47.16*	
		For >4 To 7.5, Add	*31.64*	
		For >7.5 To 10, Add	*15.82*	
		For >45, Deduct	*-5.75*	
		For Tackifier, Add	*0.74*	
32 92 19 13-0028	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	71.32	
		For >45, Deduct	*-4.57*	
32 92 19 13-0029	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	82.57	
		For >45, Deduct	*-5.19*	
32 92 19 13-0030	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	93.87	
		For >45, Deduct	*-5.80*	
32 92 19 13-0031	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	105.21	
		For >45, Deduct	*-6.43*	
32 92 19 13-0032	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	116.61	
		For >45, Deduct	*-7.05*	

32 92 19 19 Seeding By Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	87.84	
		For >5 To 20, Deduct	*-6.09*	
		For >20 To 45, Deduct	*-11.69*	
		For >45, Deduct	*-18.99*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	86.16	
		For >5 To 20, Deduct	*-6.01*	
		For >20 To 45, Deduct	*-11.56*	
		For >45, Deduct	*-18.82*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	87.09	
		For >5 To 20, Deduct	*-6.06*	
		For >20 To 45, Deduct	*-11.63*	
		For >45, Deduct	*-18.91*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	91.82	
		For >5 To 20, Deduct	*-6.29*	
		For >20 To 45, Deduct	*-11.99*	
		For >45, Deduct	*-19.39*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	95.22	
		For >5 To 20, Deduct	*-6.46*	
		For >20 To 45, Deduct	*-12.24*	
		For >45, Deduct	*-19.73*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	90.69	
		For >5 To 20, Deduct	*-6.24*	
		For >20 To 45, Deduct	*-11.90*	
		For >45, Deduct	*-19.27*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	85.04	
		For >5 To 20, Deduct	*-5.95*	
		For >20 To 45, Deduct	*-11.48*	
		For >45, Deduct	*-18.71*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	74.37	
		For >5 To 20, Deduct	*-5.42*	
		For >20 To 45, Deduct	*-10.68*	
		For >45, Deduct	*-17.64*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	158.67	
		For >5 To 20, Deduct	*-9.63*	
		For >20 To 45, Deduct	*-17.00*	
		For >45, Deduct	*-26.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	108.82	
		Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-7.14*	
		For >20 To 45, Deduct	*-13.26*	
		For >45, Deduct	*-21.09*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	74.26	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.41*	
		For >20 To 45, Deduct	*-10.67*	
		For >45, Deduct	*-17.63*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	78.79	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.64*	
		For >20 To 45, Deduct	*-11.01*	
		For >45, Deduct	*-18.08*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	89.21	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-6.16*	
		For >20 To 45, Deduct	*-11.79*	
		For >45, Deduct	*-19.13*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	85.26	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.96*	
		For >20 To 45, Deduct	*-11.50*	
		For >45, Deduct	*-18.73*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	82.39	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.82*	
		For >20 To 45, Deduct	*-11.28*	
		For >45, Deduct	*-18.44*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	88.13	
		Note: 4.4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-6.11*	
		For >20 To 45, Deduct	*-11.71*	
		For >45, Deduct	*-19.02*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	83.82	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-5.89*	
		For >20 To 45, Deduct	*-11.39*	
		For >45, Deduct	*-18.59*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	95.22	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-6.46*	
		For >20 To 45, Deduct	*-12.24*	
		For >45, Deduct	*-19.73*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,630.10
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,323.87
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,116.15
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	951.16
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,895.98
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,550.47
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,272.48
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,084.10

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	2,585.49
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	2,040.41
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,713.27
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,428.86
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,851.37
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,267.01
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,869.60
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,561.80

32 92 23 00-0019 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,541.26
		For Hybrid Fescue "Marathon", Add	*200.95*
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	2,007.24
		For Hybrid Fescue "Marathon", Add	*150.87*
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,685.63
		For Hybrid Fescue "Marathon", Add	*125.83*
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,406.74
		For Hybrid Fescue "Marathon", Add	*100.79*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,807.14	
		For Hybrid Fescue "Marathon", Add	*200.95*	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,233.84	
		For Hybrid Fescue "Marathon", Add	*150.87*	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,841.96	
		For Hybrid Fescue "Marathon", Add	*125.83*	
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,539.68	
		For Hybrid Fescue "Marathon", Add	*100.79*	

32 92 23 00-0028 Centipede Sod *(32 92 23)*

32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	2,216.17	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,763.42	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,482.45	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,244.20	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,482.05	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,990.02	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,638.78	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,377.14	

32 92 23 00-0037 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,518.79	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,240.39	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,046.59	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	895.51	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,784.67	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,466.99	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,202.92	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,028.45	

32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar *(32 92 23)*

32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,890.57	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,519.23	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,278.95	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,081.40	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	2,156.45	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,745.83	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,435.28	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,214.34	

32 92 23 00-0055 GN-1 Sod *(32 92 23)*

32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	2,566.81	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	2,026.40	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,701.59	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,419.52	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,832.69	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,253.00	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,857.92	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,552.46	

32 92 23 00-0064 Tifgreen Bermuda Sod *(32 92 23)*

32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,714.58	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,137.23	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,793.95	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,493.40	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,980.46	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,363.83	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,950.28	
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,626.34	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass	7.04	
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass	8.58	
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass	10.12	
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass	38.87	
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.33	
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.23	
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.58	
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.08	
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass	5.50	
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass	10.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	8.58	
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	14.81	
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	19.51	
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	8.58	
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	14.81	
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	19.51	
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass	3.45	
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass	5.50	
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass	10.12	
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass	7.04	
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass	10.12	
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass	19.51	
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass	6.23	
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass	10.12	
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass	7.77	
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass	11.73	

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	6.33	
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	17.05	
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	56.39	
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	5.40	
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	15.02	
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	5.40	
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	14.03	
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily	4.73	
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily	11.66	
32 93 13 00-0038	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	8.79	
32 93 13 00-0039	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	23.09	
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN	6.59	
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	97.21	
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	8.79	
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	4.78	
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	11.98	
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	4.73	
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	11.66	
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	47.86	
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	7.77	
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.12	
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	12.81	
32 93 13 00-0051	EA	1 Quart Waldsteinia ternata - Barren Strawberry	2.20	
32 93 13 00-0052	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	5.28	
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	7.19	
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	13.64	
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	24.05	
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	2.46	
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	4.55	
32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	15.99	
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	5.97	
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	3.67	
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	8.36	
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	22.88	
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	7.69	
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft	2.20	
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft	5.28	
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	5.28	
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	19.07	
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle	1.32	
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle	2.20	
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle	5.28	
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	22.73	
32 93 13 00-0072	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	5.28	
32 93 13 00-0073	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	22.88	
32 93 13 00-0074	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	6.89	
32 93 13 00-0075	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	15.25	
32 93 13 00-0076	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	22.88	
32 93 13 00-0077	EA	1 Gallon Ranunculaceae - Clematis Varieties	7.58	
32 93 13 00-0078	EA	2 Gallon Ranunculaceae - Clematis Varieties	14.02	
32 93 13 00-0079	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	9.53	
32 93 13 00-0080	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	17.89	
32 93 13 00-0081	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	29.33	
32 93 13 00-0082	EA	4" Pot Lantana camera - Common Lantana	1.32	
32 93 13 00-0083	EA	1 Gallon Lantana camera - Common Lantana	3.81	
32 93 13 00-0084	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	4.55	
32 93 13 00-0085	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	14.96	
32 93 13 00-0086	EA	2 Quart Lysimachia nummularia - Creeping Jenny	2.20	
32 93 13 00-0087	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	4.25	
32 93 13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft	3.81	
32 93 13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft	6.89	
32 93 13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft	14.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope	0.96	
32 93 13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	1.32	
32 93 13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.28	
32 93 13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch	0.88	
32 93 13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch	29.77	
32 93 13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller	2.20	
32 93 13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller	5.28	
32 93 13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	18.33	
32 93 13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	33.59	
32 93 13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly	3.98	
32 93 13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly	8.54	
32 93 13 00-0102	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	8.54	
32 93 13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	2.85	
32 93 13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy	1.32	
32 93 13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy	2.20	
32 93 13 00-0106	EA	1 Gallon Hedera helix - English Ivy	5.28	
32 93 13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy	30.51	
32 93 13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender	1.91	
32 93 13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender	3.67	
32 93 13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender	6.01	
32 93 13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	5.72	
32 93 13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	11.44	
32 93 13 00-0113	EA	1 Quart Arundo donax - Giant Reed	7.04	
32 93 13 00-0114	EA	1 Gallon Arundo donax - Giant Reed	10.12	
32 93 13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	6.01	
32 93 13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	11.44	
32 93 13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	7.77	
32 93 13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	11.73	
32 93 13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	1.32	
32 93 13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.01	
32 93 13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	11.44	
32 93 13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	5.28	
32 93 13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	17.60	
32 93 13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors	6.88	
32 93 13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	5.50	
32 93 13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine	2.77	
32 93 13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine	6.88	
32 93 13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	3.45	
32 93 13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	7.69	
32 93 13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine	4.25	
32 93 13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine	13.35	
32 93 13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear	2.20	
32 93 13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear	5.28	
32 93 13 00-0134	EA	1 Gallon Lantana spp. Various Colors	3.11	
32 93 13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana	2.05	
32 93 13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	4.25	
32 93 13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	15.25	
32 93 13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.11	
32 93 13 00-0139	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93	
32 93 13 00-0140	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28	
32 93 13 00-0141	EA	1 Quart Moss Phlox, Creeping Phlox	2.20	
32 93 13 00-0142	EA	1 Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0143	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	2.77	
32 93 13 00-0144	EA	4" Pot Ophiopogon Japonicus - Mondo grass	1.32	
32 93 13 00-0145	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	5.28	
32 93 13 00-0146	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	12.17	
32 93 13 00-0147	EA	2' To 3' High Oregon Holly-Grape	6.09	
32 93 13 00-0148	EA	1 Gallon Pachysandra terminalis - Pachysandra	7.94	
32 93 13 00-0149	EA	2-1/4" Pot Vinca minor - Periwinkle	0.73	
32 93 13 00-0150	EA	4" Pot Vinca minor - Periwinkle	2.20	
32 93 13 00-0151	EA	Bare Root Vinca minor - Periwinkle	0.73	
32 93 13 00-0152	EA	1 Quart Nepeta mussinii - Persian Catmint	2.20	
32 93 13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint	4.55	
32 93 13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	3.67	
32 93 13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	13.35	
32 93 13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	6.01	
32 93 13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	12.91	
32 93 13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	19.07	
32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	5.24	
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.57	
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.73	
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	2.77	
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.08	
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.50	
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.58	
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily	3.41	
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily	9.10	
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort	2.20	
32 93 13 00-0169	EA	1 Gallon Hypericum perforatum - St. John's Wort	5.28	
32 93 13 00-0170	EA	5 Gallon Hypericum perforatum - St. John's Wort	13.64	
32 93 13 00-0171	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	18.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper	8.07	
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper	12.17	
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper	29.33	
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	2.20	
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	3.96	
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	5.50	
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	8.58	
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	6.01	
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	2.79	
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	4.25	
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	26.14	
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	1.32	
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	6.89	
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	5.28	
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	10.56	
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	18.33	
32 93 13 00-0190	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	4.25	
32 93 13 00-0191	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	14.52	
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	12.85	
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	3.39	
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	10.54	
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	3.60	
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum	12.85	
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	3.60	
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	10.28	
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	3.60	
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	10.28	
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant	9.77	
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant	4.11	

32 93 23 Plants And Bulbs *(32 93)*

Note: Materials only.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	4.25	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	6.01	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	9.97	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	2.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	5.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower	2.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	5.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	2.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	5.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	7.11	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	2.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	5.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	2.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	5.06	
32 93 23 00-0016	EA	2 Gallon Blank Flower	7.11	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	5.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	3.74	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	6.31	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	5.50	
32 93 23 00-0023	EA	1 Quart Blue Star	3.96	
32 93 23 00-0024	EA	1 Gallon Blue Star	6.31	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	5.50	
32 93 23 00-0027	EA	4" Pot Columbine	1.32	
32 93 23 00-0028	EA	1 Quart Columbine	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine	5.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	5.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1 Quart Diploid	2.79	
32 93 23 00-0036	EA	1 Gallon Diploid	6.31	
32 93 23 00-0037	EA	3 Gallon Diploid	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower	3.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0047	EA	1 Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	5.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	7.11	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	2.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	5.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow	4.33	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	7.85	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	13.42	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	8.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris	3.74	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	7.11	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	9.83	
32 93 23 00-0104	EA	1 Quart Speedwell	2.20	
32 93 23 00-0105	EA	1 Gallon Speedwell	5.50	
32 93 23 00-0106	EA	1 Quart Tetraploid	5.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid	10.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid	14.01	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	2.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	5.50	
32 93 23 00-0111	EA	1 Quart Torch Lily	2.20	
32 93 23 00-0112	EA	1 Quart Bluebeard	3.96	
32 93 23 00-0113	EA	1 Gallon Bluebeard	5.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard	8.58	
32 93 23 00-0115		Annuals *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	1.02	
32 93 23 00-0117	EA	3" Pot Annual Flowers	1.38	
32 93 23 00-0118	EA	4" Pot Annual Flowers	2.95	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	3.92	
32 93 23 00-0120	EA	6" Pot Annual Flowers	7.77	
32 93 23 00-0121	EA	8" Pot Annual Flowers	12.95	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	16.96	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	19.23	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0124		Bulbs *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	0.23	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	0.30	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	0.38	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.15	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.18	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	0.20	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	1.23	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.59	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	0.61	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	0.61	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	0.64	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	0.68	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	0.64	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	0.60	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	0.64	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	0.64	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	0.19	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	0.55	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	0.41	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.55	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	0.48	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	0.68	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	0.52	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	0.45	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	0.51	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	0.51	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.51	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	0.41	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.40	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	0.41	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	0.68	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	0.41	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	0.55	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	0.59	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	0.61	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	0.49	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	0.46	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	0.51	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	0.51	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.40	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	0.27	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	0.41	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	0.53	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	0.41	
32 93 33		**Shrubs** *(32 93)*		
		Note: (cvs = cultivar) materials only.		
32 93 33 00-0001		Shrubs *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	3.30	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	6.72	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	12.90	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	4.78	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	11.82	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	46.92	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	85.85	
32 93 33 00-0009	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	125.47	
32 93 33 00-0010	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	139.99	
32 93 33 00-0011	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	176.97	
32 93 33 00-0012	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	196.78	
32 93 33 00-0013	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	39.62	
32 93 33 00-0014	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	52.83	
32 93 33 00-0015	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	66.03	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	4.78	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	11.82	
32 93 33 00-0018	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	22.45	
32 93 33 00-0019	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	26.41	
32 93 33 00-0020	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	31.70	
32 93 33 00-0021	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	36.98	
32 93 33 00-0022	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	44.90	
32 93 33 00-0023	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	21.79	
32 93 33 00-0024	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	23.11	
32 93 33 00-0025	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	24.43	
32 93 33 00-0026	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	27.73	
32 93 33 00-0027	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	22.12	
32 93 33 00-0028	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	23.44	
32 93 33 00-0029	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	24.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0030	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	26.08	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	4.54	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	10.50	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	5.32	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.71	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	15.82	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	4.78	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	11.82	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis "Twin Peaks' - Dwarf Coyote Brush	4.78	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis "Twin Peaks' - Dwarf Coyote Brush	11.82	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	5.68	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	8.30	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	23.69	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	30.08	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	42.14	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	5.40	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	13.00	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	25.33	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	32.42	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	41.43	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	6.81	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.41	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.39	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	6.46	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	18.23	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	25.33	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	39.09	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	7.38	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	19.79	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	21.07	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	27.10	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	36.11	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	54.20	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	75.27	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	21.07	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	27.10	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	36.11	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	54.20	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	13.87	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	23.11	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	60.75	
32 93 33 00-0071	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	33.02	
32 93 33 00-0072	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	44.90	
32 93 33 00-0073	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	60.75	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	4.29	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	13.20	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	42.91	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	21.79	
32 93 33 00-0078	EA	30" B&B Calycanthus floridus - Common Sweetshrub	19.81	
32 93 33 00-0079	EA	36" B&B Calycanthus floridus - Common Sweetshrub	26.41	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	5.32	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	11.35	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	18.87	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	28.10	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	72.90	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	5.32	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	11.35	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	18.87	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	21.79	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	5.40	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	14.03	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	21.79	
32 93 33 00-0092	EA	36" B&B Celastrus scandens - Bittersweet	18.49	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	21.79	
32 93 33 00-0094	EA	24" B&B Cephalanthus occidentalis - Buttonbush	16.51	
32 93 33 00-0095	EA	30" B&B Cephalanthus occidentalis - Buttonbush	18.49	
32 93 33 00-0096	EA	36" B&B Cephalanthus occidentalis - Buttonbush	19.81	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	19.01	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	25.33	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	39.09	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	4.78	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	11.82	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	21.13	
32 93 33 00-0103	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	22.78	
32 93 33 00-0104	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	25.42	
32 93 33 00-0105	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	26.74	
32 93 33 00-0106	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	31.37	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	4.78	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	11.82	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	55.35	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	30.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	37.60	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	48.17	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	66.19	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	19.81	
32 93 33 00-0115	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	13.87	
32 93 33 00-0116	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	15.85	
32 93 33 00-0117	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	19.81	
32 93 33 00-0118	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	23.77	
32 93 33 00-0119	EA	36" B&B Cornus amomum - Silky Dogwood	19.81	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	21.79	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	21.79	
32 93 33 00-0122	EA	36" B&B Cornus racemosa - Gray Dogwood	19.81	
32 93 33 00-0123	EA	48" B&B Cornus racemosa - Gray Dogwood	23.11	
32 93 33 00-0124	EA	60" B&B Cornus racemosa - Gray Dogwood	25.09	
32 93 33 00-0125	EA	72" B&B Cornus racemosa - Gray Dogwood	30.38	
32 93 33 00-0126	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	21.46	
32 93 33 00-0127	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	24.10	
32 93 33 00-0128	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	27.40	
32 93 33 00-0129	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	17.17	
32 93 33 00-0130	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	19.81	
32 93 33 00-0131	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	21.13	
32 93 33 00-0132	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	23.11	
32 93 33 00-0133	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	25.75	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	20.47	
32 93 33 00-0135	EA	30" B&B Corylus americana - American Filbert	23.11	
32 93 33 00-0136	EA	36" B&B Corylus americana - American Filbert	24.76	
32 93 33 00-0137	EA	48" B&B Corylus americana - American Filbert	26.74	
32 93 33 00-0138	EA	24" B&B Corylus avellena - Contorted Hazelnut	66.03	
32 93 33 00-0139	EA	30" B&B Corylus avellena - Contorted Hazelnut	85.85	
32 93 33 00-0140	EA	36" B&B Corylus avellena - Contorted Hazelnut	92.45	
32 93 33 00-0141	EA	42" B&B Corylus avellena - Contorted Hazelnut	118.86	
32 93 33 00-0142	EA	48" B&B Corylus avellena - Contorted Hazelnut	145.28	
32 93 33 00-0143	EA	60" B&B Corylus avellena - Contorted Hazelnut	165.09	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	63.21	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	94.78	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	142.94	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	16.51	
32 93 33 00-0148	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	16.51	
32 93 33 00-0149	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	17.17	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	15.82	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	17.17	
32 93 33 00-0152	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	16.51	
32 93 33 00-0153	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	17.17	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	6.81	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	21.07	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	28.45	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	48.17	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	4.78	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	11.82	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	6.81	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.41	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	4.78	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	11.82	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	46.92	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	11.00	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	27.50	
32 93 33 00-0167	EA	18" B&B Deutzia gracilis - Slender Deutzia	16.84	
32 93 33 00-0168	EA	24" B&B Deutzia gracilis - Slender Deutzia	18.49	
32 93 33 00-0169	EA	30" B&B Deutzia gracilis - Slender Deutzia	23.77	
32 93 33 00-0170	EA	36" B&B Deutzia gracilis - Slender Deutzia	27.73	
32 93 33 00-0171	EA	42" B&B Deutzia gracilis - Slender Deutzia	31.70	
32 93 33 00-0172	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	26.41	
32 93 33 00-0173	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	31.70	
32 93 33 00-0174	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	36.98	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	9.91	
32 93 33 00-0176	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	23.77	
32 93 33 00-0177	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	31.70	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	11.82	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	4.78	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	11.82	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	46.92	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	4.78	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	11.82	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	46.92	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	19.72	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	27.10	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	32.42	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	31.57	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	4.78	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	11.82	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	46.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	5.68	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	11.92	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	16.39	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	4.84	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	13.97	
32 93 33 00-0197	EA	24" B&B Euonymus alatus - Winged Euonymus	18.83	
32 93 33 00-0198	EA	30" B&B Euonymus alatus - Winged Euonymus	23.54	
32 93 33 00-0199	EA	36" B&B Euonymus alatus - Winged Euonymus	32.35	
32 93 33 00-0200	EA	42" B&B Euonymus alatus - Winged Euonymus	39.94	
32 93 33 00-0201	EA	48" B&B Euonymus alatus - Winged Euonymus	47.08	
32 93 33 00-0202	EA	54" B&B Euonymus alatus - Winged Euonymus	60.75	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	17.47	
32 93 33 00-0204	EA	60" B&B Euonymus alatus - Winged Euonymus	75.94	
32 93 33 00-0205	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	29.72	
32 93 33 00-0206	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	35.33	
32 93 33 00-0207	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	46.22	
32 93 33 00-0208	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	55.47	
32 93 33 00-0209	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	68.68	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	21.07	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	24.83	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	33.91	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	40.65	
32 93 33 00-0214	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	51.15	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	72.22	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	90.31	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	105.35	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	21.07	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	24.05	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	29.37	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	41.43	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	48.95	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	58.67	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	82.79	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	97.83	
32 93 33 00-0226	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	4.78	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	11.82	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	46.92	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	15.04	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	19.01	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	23.69	
32 93 33 00-0237	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19	
32 93 33 00-0238	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84	
32 93 33 00-0239	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16	
32 93 33 00-0240	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	15.85	
32 93 33 00-0241	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	21.13	
32 93 33 00-0242	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	15.85	
32 93 33 00-0243	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	18.49	
32 93 33 00-0244	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	21.79	
32 93 33 00-0245	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	25.09	
32 93 33 00-0246	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	29.06	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	22.45	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	31.37	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	33.02	
32 93 33 00-0250	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	34.34	
32 93 33 00-0251	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	36.98	
32 93 33 00-0252	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	44.90	
32 93 33 00-0253	EA	24" B&B Fothergilla major - Large Fothergilla	58.11	
32 93 33 00-0254	EA	30" B&B Fothergilla major - Large Fothergilla	66.03	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	4.90	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	12.84	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	16.39	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	4.78	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	11.82	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	46.92	
32 93 33 00-0261	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	46.22	
32 93 33 00-0262	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	75.28	
32 93 33 00-0263	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	95.09	
32 93 33 00-0264	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	145.28	
32 93 33 00-0265	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	165.09	
32 93 33 00-0266	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	2.81	
32 93 33 00-0267	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	9.87	
32 93 33 00-0268	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	18.98	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	7.20	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	12.15	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	18.38	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	19.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	16.17	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	21.85	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	31.57	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	43.63	
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	13.41	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	18.87	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	21.07	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	24.05	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	13.41	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	23.11	
32 93 33 00-0283	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	25.09	
32 93 33 00-0284	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	29.06	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	30.38	
32 93 33 00-0286	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	23.77	
32 93 33 00-0287	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	31.70	
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	13.87	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	16.51	
32 93 33 00-0290	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	14.20	
32 93 33 00-0291	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	15.19	
32 93 33 00-0292	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	17.17	
32 93 33 00-0293	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	19.81	
32 93 33 00-0294	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	26.41	
32 93 33 00-0295	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	19.15	
32 93 33 00-0296	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	21.79	
32 93 33 00-0297	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	25.75	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	13.41	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	15.85	
32 93 33 00-0300	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort	17.17	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	6.81	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	13.41	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	18.87	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulftide Sweet Holly	18.09	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	22.91	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	29.72	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	36.11	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	13.51	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	6.81	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.41	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	19.44	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	6.81	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	14.90	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	19.44	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	14.90	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	17.95	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	36.11	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	48.17	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	48.17	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	79.74	
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0337	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0338	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0340	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0341	EA	24" B&B Ilex meservae & cvs - Blue Holly	29.72	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0343	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0344	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0345	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0346	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0347	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0348	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	1.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	6.83	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	5.32	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	60.75	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	121.50	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	164.03	
32 93 33 00-0359	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	23.11	
32 93 33 00-0360	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	25.75	
32 93 33 00-0361	EA	18" B&B Juniperus chinesis cvs - Chinese Juniper	34.34	
32 93 33 00-0362	EA	24" B&B Juniperus chinesis cvs - Chinese Juniper	44.90	
32 93 33 00-0363	EA	30" B&B Juniperus chinesis cvs - Chinese Juniper	52.83	
32 93 33 00-0364	EA	36" B&B Juniperus chinesis cvs - Chinese Juniper	71.32	
32 93 33 00-0365	EA	48" B&B Juniperus chinesis cvs - Chinese Juniper	97.73	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0369	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0370	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0371	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0372	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0374	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0375	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0376	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0377	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0381	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0382	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	
32 93 33 00-0383	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	6.03	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	18.87	
32 93 33 00-0392	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0393	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0394	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0395	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0396	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	
32 93 33 00-0397	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	4.54	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	16.17	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crepe Myrtle	91.13	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crepe Myrtle	189.85	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	6.81	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	14.90	
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	17.95	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	4.19	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	12.84	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	60.16	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	4.19	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	9.01	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	11.71	
32 93 33 00-0415	EA	36" B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0416	EA	48" B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0417	EA	60" B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0418	EA	72" B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0419	EA	5 Gallon Lindera benzoin - Spicebush	21.79	
32 93 33 00-0420	EA	36" B&B Lindera benzoin - Spicebush	18.49	
32 93 33 00-0421	EA	48" B&B Lindera benzoin - Spicebush	22.45	
32 93 33 00-0422	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11	
32 93 33 00-0423	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63	
32 93 33 00-0424	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81	
32 93 33 00-0425	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77	
32 93 33 00-0426	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41	
32 93 33 00-0427	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06	
32 93 33 00-0428	EA	1 Gallon Myrica cerifera - Wax Myrtle	3.80	
32 93 33 00-0429	EA	4 Gallon Myrica cerifera - Wax Myrtle	12.15	
32 93 33 00-0430	EA	7 Gallon Myrica cerifera - Wax Myrtle	26.58	
32 93 33 00-0431	EA	10 Gallon Myrica cerifera - Wax Myrtle	39.49	
32 93 33 00-0432	EA	15 Gallon Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0433	EA	45 Gallon Myrica cerifera - Wax Myrtle	182.26	
32 93 33 00-0434	EA	1' - 2' Myrica cerifera - Wax Myrtle	5.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0435	EA	3' - 4' Myrica cerifera - Wax Myrtle	18.23	
32 93 33 00-0436	EA	5' - 6' Myrica cerifera - Wax Myrtle	33.41	
32 93 33 00-0437	EA	7' - 8' Myrica cerifera - Wax Myrtle	45.56	
32 93 33 00-0438	EA	9' - 10' Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0439	EA	11' - 12' Myrica cerifera - Wax Myrtle	92.65	
32 93 33 00-0440	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	19.81	
32 93 33 00-0441	EA	24" B&B Myrica pensylvanica - Northern Bayberry	32.36	
32 93 33 00-0442	EA	30" B&B Myrica pensylvanica - Northern Bayberry	47.54	
32 93 33 00-0443	EA	36" B&B Myrica pensylvanica - Northern Bayberry	56.79	
32 93 33 00-0444	EA	48" B&B Myrica pensylvanica - Northern Bayberry	59.43	
32 93 33 00-0445	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	4.78	
32 93 33 00-0446	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	11.82	
32 93 33 00-0447	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	46.92	
32 93 33 00-0448	EA	1 Gallon Nandina domestica - Heavenly Bamboo	6.81	
32 93 33 00-0449	EA	2 Gallon Nandina domestica - Heavenly Bamboo	14.90	
32 93 33 00-0450	EA	5 Gallon Nandina domestica - Heavenly Bamboo	22.56	
32 93 33 00-0451	EA	15 Gallon Nerium oleander - Oleander	51.34	
32 93 33 00-0452	EA	24" Box Nerium oleander - Oleander	184.51	
32 93 33 00-0453	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0454	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0455	EA	1 Gallon Philadelphus - Evergreen Mockorange	5.82	
32 93 33 00-0456	EA	5 Gallon Philadelphus - Evergreen Mockorange	18.87	
32 93 33 00-0457	EA	36" B&B Philadelphus x virginalis & cvs - Mockorange	19.81	
32 93 33 00-0458	EA	42" B&B Philadelphus x virginalis & cvs - Mockorange	23.11	
32 93 33 00-0459	EA	48" B&B Philadelphus x virginalis & cvs - Mockorange	26.41	
32 93 33 00-0460	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	4.78	
32 93 33 00-0461	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	11.82	
32 93 33 00-0462	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	46.92	
32 93 33 00-0463	EA	1 Gallon Phormium tenax - New Zealand Flax	5.04	
32 93 33 00-0464	EA	5 Gallon Phormium tenax - New Zealand Flax	12.08	
32 93 33 00-0465	EA	15 Gallon Phormium tenax - New Zealand Flax	51.34	
32 93 33 00-0466	EA	24" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	19.81	
32 93 33 00-0467	EA	30" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	23.11	
32 93 33 00-0468	EA	36" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	26.41	
32 93 33 00-0469	EA	42" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	33.02	
32 93 33 00-0470	EA	48" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	39.62	
32 93 33 00-0471	EA	12" To 15" Spread Pieris - Mountain Andromeda	18.23	
32 93 33 00-0472	EA	15" To 18" Spread Pieris - Mountain Andromeda	39.09	
32 93 33 00-0473	EA	12" To 15" Pieris japonica - Japanese Andromeda	23.69	
32 93 33 00-0474	EA	15" To 18" Pieris japonica - Japanese Andromeda	27.10	
32 93 33 00-0475	EA	18" To 24" Pieris japonica - Japanese Andromeda	33.91	
32 93 33 00-0476	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	48.17	
32 93 33 00-0477	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	57.18	
32 93 33 00-0478	EA	24" B&B Pinus mugo & cvs - Mugo Pine	33.02	
32 93 33 00-0479	EA	30" B&B Pinus mugo & cvs - Mugo Pine	42.26	
32 93 33 00-0480	EA	36" B&B Pinus mugo & cvs - Mugo Pine	50.85	
32 93 33 00-0481	EA	48" B&B Pinus mugo & cvs - Mugo Pine	65.37	
32 93 33 00-0482	EA	60" B&B Pinus mugo & cvs - Mugo Pine	78.58	
32 93 33 00-0483	EA	72" B&B Pinus mugo & cvs - Mugo Pine	114.90	
32 93 33 00-0484	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	71.32	
32 93 33 00-0485	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	85.85	
32 93 33 00-0486	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	114.24	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	6.45	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	2.51	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	6.45	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	11.32	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	5.49	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	13.00	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	4.78	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	11.82	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	46.92	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.23	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	15.85	
32 93 33 00-0499	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	11.89	
32 93 33 00-0500	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.21	
32 93 33 00-0501	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	19.15	
32 93 33 00-0502	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	22.12	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.54	
32 93 33 00-0504	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel	11.35	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	67.68	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	17.31	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	21.42	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	27.88	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.46	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	19.79	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	31.57	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	63.21	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	19.01	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	21.35	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	24.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	16.88	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	20.71	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	24.83	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	28.45	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	4.47	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	13.20	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	27.10	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	5.68	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	18.87	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.09	
32 93 33 00-0526	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	4.54	
32 93 33 00-0527	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	8.65	
32 93 33 00-0528	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	15.39	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	6.90	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	19.73	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	59.22	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	34.62	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	47.46	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	61.72	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	112.86	
32 93 33 00-0536	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	5.09	
32 93 33 00-0537	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	12.08	
32 93 33 00-0538	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	51.34	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.38	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	14.90	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	19.44	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	22.56	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	26.39	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	33.13	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	48.17	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	67.68	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.30	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.90	
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.61	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	33.13	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.17	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.73	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	94.78	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	18.87	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	67.68	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	21.35	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	37.60	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	55.69	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	25.33	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	33.13	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	43.63	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	25.33	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	31.57	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea	51.15	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea	70.73	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea	94.78	
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea	126.41	
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron	8.30	
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron	17.95	
32 93 33 00-0570	EA	3 Gallon Rhododendron - Hybrid Rhododendron	25.47	
32 93 33 00-0571	EA	5 Gallon Rhododendron - Hybrid Rhododendron	28.45	
32 93 33 00-0572	EA	15" To 18" Rhododendron - Hybrid Rhododendron	24.05	
32 93 33 00-0573	EA	18" To 24" Rhododendron - Hybrid Rhododendron	33.13	
32 93 33 00-0574	EA	24" To 30" Rhododendron - Hybrid Rhododendron	45.12	
32 93 33 00-0575	EA	30" To 36" Rhododendron - Hybrid Rhododendron	52.64	
32 93 33 00-0576	EA	36" To 42" Rhododendron - Hybrid Rhododendron	75.27	
32 93 33 00-0577	EA	42" To 48" Rhododendron - Hybrid Rhododendron	93.29	
32 93 33 00-0578	EA	15" To 18" Rhododendron - Pjm Rhododendron	27.10	
32 93 33 00-0579	EA	18" To 24" Rhododendron - Pjm Rhododendron	33.13	
32 93 33 00-0580	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	48.17	
32 93 33 00-0581	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	61.72	
32 93 33 00-0582	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	75.27	
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea	21.07	
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea	25.33	
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea	31.57	
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea	52.64	
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	23.77	
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	29.06	
32 93 33 00-0589	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	35.66	
32 93 33 00-0590	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	44.90	
32 93 33 00-0591	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	52.83	
32 93 33 00-0592	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	63.39	
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	6.81	
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	18.87	
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	15.85	
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	21.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0597	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	25.09	
32 93 33 00-0598	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	33.02	
32 93 33 00-0599	EA	36" B&B Rhus glabra - Smooth Sumac	19.81	
32 93 33 00-0600	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	33.02	
32 93 33 00-0601	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	52.83	
32 93 33 00-0602	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	17.83	
32 93 33 00-0603	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	20.47	
32 93 33 00-0604	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	29.72	
32 93 33 00-0605	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	39.62	
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	10.90	
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	13.21	
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	16.51	
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	11.89	
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	15.19	
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder	21.79	
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	4.78	
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	11.82	
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	4.78	
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	11.82	
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	9.79	
32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	14.33	
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	5.32	
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	13.90	
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	13.20	
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	52.53	
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	165.03	
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	6.81	
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	13.55	
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	21.85	
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	4.78	
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	11.82	
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	31.57	
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	48.17	
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	18.87	
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	15.46	
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	21.85	
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	25.33	
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	43.63	
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	6.81	
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	13.41	
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	15.52	
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	16.84	
32 93 33 00-0639	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	17.17	
32 93 33 00-0640	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	19.81	
32 93 33 00-0641	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	22.45	
32 93 33 00-0642	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	26.08	
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	10.57	
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	15.85	
32 93 33 00-0645	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53	
32 93 33 00-0646	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17	
32 93 33 00-0647	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81	
32 93 33 00-0648	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45	
32 93 33 00-0649	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06	
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81	
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22	
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85	
32 93 33 00-0653	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87	
32 93 33 00-0654	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84	
32 93 33 00-0655	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81	
32 93 33 00-0656	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0658	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0659	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49	
32 93 33 00-0660	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09	
32 93 33 00-0661	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06	
32 93 33 00-0662	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34	
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	22.29	
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85	
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17	
32 93 33 00-0666	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81	
32 93 33 00-0667	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77	
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	16.51	
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	17.50	
32 93 33 00-0670	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06	
32 93 33 00-0671	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32	
32 93 33 00-0672	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26	
32 93 33 00-0673	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87	
32 93 33 00-0674	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06	
32 93 33 00-0675	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70	
32 93 33 00-0676	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32	
32 93 33 00-0677	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0678	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87	
32 93 33 00-0679	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11	
32 93 33 00-0680	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09	
32 93 33 00-0681	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81	
32 93 33 00-0682	EA	42' B&B Syringa vulgaris & cvs - Common Lilac	22.45	
32 93 33 00-0683	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09	
32 93 33 00-0684	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06	
32 93 33 00-0685	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66	
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51	
32 93 33 00-0687	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15	
32 93 33 00-0688	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09	
32 93 33 00-0689	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00	
32 93 33 00-0690	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54	
32 93 33 00-0691	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43	
32 93 33 00-0692	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84	
32 93 33 00-0693	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73	
32 93 33 00-0694	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32	
32 93 33 00-0695	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26	
32 93 33 00-0696	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22	
32 93 33 00-0697	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73	
32 93 33 00-0698	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32	
32 93 33 00-0699	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92	
32 93 33 00-0700	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85	
32 93 33 00-0701	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.60	
32 93 33 00-0702	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26	
32 93 33 00-0703	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79	
32 93 33 00-0704	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85	
32 93 33 00-0705	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47	
32 93 33 00-0706	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96	
32 93 33 00-0707	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07	
32 93 33 00-0708	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49	
32 93 33 00-0709	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75	
32 93 33 00-0710	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	3.83	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	10.50	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	18.87	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	70.73	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98	
32 93 33 00-0721	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32	
32 93 33 00-0722	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58	
32 93 33 00-0723	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02	
32 93 33 00-0724	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62	
32 93 33 00-0725	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22	
32 93 33 00-0726	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	4.78	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	11.82	
32 93 33 00-0729	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0730	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0731	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0732	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0733	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0734	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0735	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	
32 93 33 00-0736	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0737	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0738	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0739	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0740	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0741	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0742	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0743	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0744	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0745	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0746	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0747	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0748	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0749	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0750	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0751	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0752	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0753	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	
32 93 33 00-0754	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09	
32 93 33 00-0755	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10	
32 93 33 00-0756	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12	
32 93 33 00-0757	EA	30" B&B Viburnum sargenti & cvs - Sargent Viburnum	20.14	
32 93 33 00-0758	EA	36" B&B Viburnum sargenti & cvs - Sargent Viburnum	22.12	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0759	EA	48" B&B Viburnum sargenti & cvs - Sargent Viburnum	25.09	
32 93 33 00-0760	EA	60" B&B Viburnum sargenti & cvs - Sargent Viburnum	29.06	
32 93 33 00-0761	EA	72" B&B Viburnum sargenti & cvs - Sargent Viburnum	33.35	
32 93 33 00-0762	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15	
32 93 33 00-0763	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11	
32 93 33 00-0764	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73	
32 93 33 00-0765	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70	
32 93 33 00-0766	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30	
32 93 33 00-0767	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26	
32 93 33 00-0768	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02	
32 93 33 00-0769	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62	
32 93 33 00-0770	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22	
32 93 33 00-0771	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83	
32 93 33 00-0772	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43	
32 93 33 00-0773	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26	
32 93 33 00-0774	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54	
32 93 33 00-0775	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15	
32 93 33 00-0776	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07	
32 93 33 00-0777	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	39.09	
32 93 33 00-0778	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	48.17	
32 93 33 00-0779	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	70.73	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79	
32 93 33 00-0781	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81	
32 93 33 00-0782	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45	
32 93 33 00-0783	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09	
32 93 33 00-0784	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06	
32 93 33 00-0785	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	4.54	
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	12.84	
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	56.47	
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	3.83	
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	10.14	
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle	5.32	
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle	10.36	
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle	16.39	
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells	18.23	
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells	15.04	
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells	19.01	
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells	23.69	
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells	28.45	
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells	39.09	
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper	38.73	
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper	53.16	
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper	83.53	
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper	97.20	
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper	127.58	
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59	
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63	
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.74	
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	7.59	
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	10.63	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar) materials only.

32 93 43 00-0001 Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	117.80	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	143.98	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	163.61	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	189.79	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	261.77	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	340.31	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	392.66	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	445.02	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	523.55	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	52.83	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	66.03	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	81.88	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0030	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0031	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0032	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0033	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	52.83	
32 93 43 00-0034	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	112.26	
32 93 43 00-0035	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	145.28	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	24.80	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	37.21	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	46.51	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	57.93	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0060	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0061	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0062	EA	20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0063	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0064	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0065	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0066	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0067	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0068	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	23.77	
32 93 43 00-0069	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	65.11	
32 93 43 00-0070	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	84.80	
32 93 43 00-0071	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	26.87	
32 93 43 00-0072	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	51.68	
32 93 43 00-0073	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	95.13	
32 93 43 00-0074	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	113.74	
32 93 43 00-0075	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0076	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0077	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0079	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0080	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	71.85	
32 93 43 00-0081	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	89.82	
32 93 43 00-0082	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	93.41	
32 93 43 00-0083	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	111.37	
32 93 43 00-0084	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	150.89	
32 93 43 00-0085	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	197.60	
32 93 43 00-0086	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	251.49	
32 93 43 00-0087	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0088	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0089	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0090	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0091	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0092	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0093	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0094	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0095	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0096	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0097	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0098	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0099	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0100	EA	1 Gallon Ribes aureum - Golden Current	7.13	
32 93 43 00-0101	EA	5 Gallon Ribes aureum - Golden Current	20.40	
32 93 43 00-0102	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	7.13	
32 93 43 00-0103	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	20.40	
32 93 43 00-0104	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	7.13	
32 93 43 00-0105	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	20.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0106	EA	8' Cassia leptophlia - Gold Medallion Tree	200.34	
32 93 43 00-0107	EA	10' Cassia leptophlia - Gold Medallion Tree	254.28	
32 93 43 00-0108	EA	12' Cassia leptophlia - Gold Medallion Tree	308.22	
32 93 43 00-0109	EA	6' Magnolia grandiflora 'St. Mary's'	231.16	
32 93 43 00-0110	EA	8' Magnolia grandiflora 'St. Mary's'	408.39	
32 93 43 00-0111	EA	10' Magnolia grandiflora 'St. Mary's'	513.19	
32 93 43 00-0112	EA	12' Magnolia grandiflora 'St. Mary's'	616.44	
32 93 43 00-0113	EA	14' Magnolia grandiflora 'St. Mary's'	716.61	
32 93 43 00-0114	EA	16' Magnolia grandiflora 'St. Mary's'	847.60	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'	254.28	
32 93 43 00-0116	EA	6' Prunus cerasifera - Purple Leaf Plum	120.21	
32 93 43 00-0117	EA	8' Prunus cerasifera - Purple Leaf Plum	138.70	
32 93 43 00-0118	EA	10' Prunus cerasifera - Purple Leaf Plum	178.77	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum	190.33	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum	385.28	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum	591.01	
32 93 43 00-0122	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	251.20	
32 93 43 00-0123	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	359.08	
32 93 43 00-0124	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	429.97	
32 93 43 00-0125	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	554.80	
32 93 43 00-0126	EA	6' Stenocarpus sinuatus - Firewheel Tree	369.86	
32 93 43 00-0127	EA	8' Stenocarpus sinuatus - Firewheel Tree	493.15	
32 93 43 00-0128	EA	10" Stenocarpus sinuatus - Firewheel Tree	616.44	
32 93 43 00-0129	EA	12' Stenocarpus sinuatus - Firewheel Tree	739.73	
32 93 43 00-0130	EA	24" Box Tabebuia ipi - Pink Trumpet	359.08	
32 93 43 00-0131	EA	36" Box Tabebuia ipi - Pink Trumpet	955.48	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona	268.02	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona	348.42	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona	402.03	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona	455.63	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona	536.03	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	184.93	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Lantern	300.51	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	369.86	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Lantern	408.39	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Lantern	180.31	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Lantern	416.10	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Lantern	651.11	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	167.98	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	272.77	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	334.42	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	377.57	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia	114.04	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia	172.60	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia	241.95	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia	322.09	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia	490.07	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia	200.34	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	238.87	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree	311.30	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	394.52	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree	454.62	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	668.84	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree	893.84	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree	180.31	
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree	369.86	
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree	493.15	
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree	616.44	
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree	739.73	
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree	369.86	
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree	493.15	
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree	616.44	
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree	739.73	
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	298.97	
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow	359.08	
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	382.19	
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow	423.80	
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	15.41	
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	61.64	
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	308.22	
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut	23.12	
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut	92.47	
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut	346.75	
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree	184.93	
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree	210.73	
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree	293.51	
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow	90.31	
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow	185.89	
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow	346.20	
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow	496.72	
32 93 43 00-0186	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	267.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0187	EA	2" Caliper Ginko Biloba - Maidenhair Tree	373.29	
32 93 43 00-0188	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	450.05	
32 93 43 00-0189	EA	3" Caliper Ginko Biloba - Maidenhair Tree	525.31	
32 93 43 00-0190	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	687.88	
32 93 43 00-0191	EA	4" Caliper Ginko Biloba - Maidenhair Tree	734.54	
32 93 43 00-0192	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	782.70	
32 93 43 00-0193	EA	24" Box Ginko Biloba - Maidenhair Tree	244.60	
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	90.31	
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	331.14	
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	96.33	
32 93 43 00-0197	EA	6' Lagerstroemia indica - Crape Myrtle	179.12	
32 93 43 00-0198	EA	8' Lagerstroemia indica - Crape Myrtle	185.14	
32 93 43 00-0199	EA	10' Lagerstroemia indica - Crape Myrtle	224.27	
32 93 43 00-0200	EA	24" Box Lagerstroemia indica - Crape Myrtle	176.11	
32 93 43 00-0201	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	22.61	
32 93 43 00-0202	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	59.62	
32 93 43 00-0203	EA	24" Box Celtis Sinensis - Chinese Hackberry	195.30	
32 93 43 00-0204	EA	36" Box Celtis Sinensis - Chinese Hackberry	570.48	
32 93 43 00-0205	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	22.61	
32 93 43 00-0206	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	59.62	
32 93 43 00-0207	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	195.30	
32 93 43 00-0208	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	570.48	
32 93 43 00-0209	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	6.68	
32 93 43 00-0210	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	18.50	
32 93 43 00-0211	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	81.20	
32 93 43 00-0212	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	195.30	
32 93 43 00-0213	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	513.95	
32 93 43 00-0214	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	50.37	
32 93 43 00-0215	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	164.46	
32 93 43 00-0216	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	436.86	
32 93 43 00-0217	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	976.50	
32 93 43 00-0218	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	14.39	
32 93 43 00-0219	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	50.37	
32 93 43 00-0220	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	164.46	
32 93 43 00-0221	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	436.86	
32 93 43 00-0222	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	976.50	
32 93 43 00-0223	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	14.39	
32 93 43 00-0224	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	60.65	
32 93 43 00-0225	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	164.46	
32 93 43 00-0226	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	462.56	
32 93 43 00-0227	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,182.08	
32 93 43 00-0228	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	14.39	
32 93 43 00-0229	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	60.65	
32 93 43 00-0230	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	164.46	
32 93 43 00-0231	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	462.56	
32 93 43 00-0232	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	1,182.08	
32 93 43 00-0233	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	14.39	
32 93 43 00-0234	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	60.65	
32 93 43 00-0235	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	164.46	
32 93 43 00-0236	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	462.56	
32 93 43 00-0237	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	1,182.08	
32 93 43 00-0238	EA	1 Gallon Pittosporum undulatum - Victorian Box	4.63	
32 93 43 00-0239	EA	5 Gallon Pittosporum undulatum - Victorian Box	14.39	
32 93 43 00-0240	EA	15 Gallon Pittosporum undulatum - Victorian Box	60.65	
32 93 43 00-0241	EA	24" Box Pittosporum undulatum - Victorian Box	164.46	
32 93 43 00-0242	EA	36" Box Pittosporum undulatum - Victorian Box	462.56	
32 93 43 00-0243	EA	48" Box Pittosporum undulatum - Victorian Box	1,182.08	
32 93 43 00-0244	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	51.34	
32 93 43 00-0245	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	184.97	
32 93 43 00-0246		**Shade Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0247	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	292.02	
32 93 43 00-0248	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	357.96	
32 93 43 00-0249	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	466.29	
32 93 43 00-0250	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	604.45	
32 93 43 00-0251	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	30.80	
32 93 43 00-0252	EA	4' To 5' Acer palmatum - Japanese Maple	64.68	
32 93 43 00-0253	EA	5' To 6' Acer palmatum - Japanese Maple	84.70	
32 93 43 00-0254	EA	6' To 7' Acer palmatum - Japanese Maple	154.00	
32 93 43 00-0255	EA	7' To 8' Acer palmatum - Japanese Maple	215.60	
32 93 43 00-0256	EA	8' To 10' Acer palmatum - Japanese Maple	277.21	
32 93 43 00-0257	EA	10' To 12' Acer palmatum - Japanese Maple	369.61	
32 93 43 00-0258	EA	2" Caliper Acer platanoides & cvs - Norway Maple	157.00	
32 93 43 00-0259	EA	2" Caliper Acer platanoides & cvs - Norway Maple	191.13	
32 93 43 00-0260	EA	3" Caliper Acer platanoides & cvs - Norway Maple	245.74	
32 93 43 00-0261	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	286.70	
32 93 43 00-0262	EA	4" Caliper Acer platanoides & cvs - Norway Maple	307.17	
32 93 43 00-0263	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	334.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0264	EA	5" Caliper Acer platanoides & cvs - Norway Maple	375.43	
32 93 43 00-0265	EA	2" Caliper Acer rubrum & cvs - Red Maple	150.17	
32 93 43 00-0266	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	191.13	
32 93 43 00-0267	EA	3" Caliper Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0268	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	300.35	
32 93 43 00-0269	EA	4" Caliper Acer rubrum & cvs - Red Maple	341.30	
32 93 43 00-0270	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	395.91	
32 93 43 00-0271	EA	5" Caliper Acer rubrum & cvs - Red Maple	443.70	
32 93 43 00-0272	EA	8' Clump Form Acer rubrum & cvs - Red Maple	184.30	
32 93 43 00-0273	EA	10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0274	EA	12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0275	EA	14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0276	EA	16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0277	EA	18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0278	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.91	
32 93 43 00-0279	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	266.22	
32 93 43 00-0280	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	300.35	
32 93 43 00-0281	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	341.30	
32 93 43 00-0282	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	409.57	
32 93 43 00-0283	EA	2" Caliper Betula nigra - River Birch	170.65	
32 93 43 00-0284	EA	2-1/2" Caliper Betula nigra - River Birch	193.25	
32 93 43 00-0285	EA	3" Caliper Betula nigra - River Birch	218.43	
32 93 43 00-0286	EA	3-1/2" Caliper Betula nigra - River Birch	273.04	
32 93 43 00-0287	EA	4" Caliper Betula nigra - River Birch	307.17	
32 93 43 00-0288	EA	4-1/2" Caliper Betula nigra - River Birch	341.30	
32 93 43 00-0289	EA	5" Caliper Betula nigra - River Birch	375.43	
32 93 43 00-0290	EA	8' Clump Form Betula nigra - River Birch	157.00	
32 93 43 00-0291	EA	10' Clump Form Betula nigra - River Birch	177.48	
32 93 43 00-0292	EA	12' Clump Form Betula nigra - River Birch	204.78	
32 93 43 00-0293	EA	14' Clump Form Betula nigra - River Birch	238.91	
32 93 43 00-0294	EA	16' Clump Form Betula nigra - River Birch	273.04	
32 93 43 00-0295	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	204.78	
32 93 43 00-0296	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.74	
32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	286.70	
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	341.30	
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	354.96	
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	273.04	
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	307.17	
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	354.96	
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	430.04	
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	122.87	
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	170.65	
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	211.61	
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa	150.17	
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	204.78	
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa	266.22	
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	320.83	
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa	368.61	
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert	191.13	
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert	232.09	
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert	273.04	
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon	122.87	
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon	150.17	
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon	191.13	
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon	238.91	
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon	286.70	
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech	307.17	
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	368.61	
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech	443.70	
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	491.48	
32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech	580.22	
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	750.87	
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech	887.39	
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash	170.65	
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	204.78	
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash	259.39	
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	314.00	
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash	368.61	
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	409.57	
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash	477.83	
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	266.22	
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	334.48	
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	409.57	
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	682.61	
32 93 43 00-0342	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0344	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	245.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0346	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0348	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	86.35	
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	102.05	
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	141.30	
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	183.69	
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	204.10	
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	241.78	
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut	163.83	
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut	191.13	
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut	238.91	
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut	300.35	
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut	368.61	
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut	443.70	
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut	511.96	
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut	580.22	
32 93 43 00-0363	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	
32 93 43 00-0364	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0365	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0366	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0367	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0368	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0369	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0370	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0371	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0372	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0373	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0374	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0375	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0376	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0377	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0378	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0379	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	
32 93 43 00-0380	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	163.83	
32 93 43 00-0381	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	293.52	
32 93 43 00-0382	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0383	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.43	
32 93 43 00-0384	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	273.04	
32 93 43 00-0385	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	341.30	
32 93 43 00-0386	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	409.57	
32 93 43 00-0387	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	477.83	
32 93 43 00-0388	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	95.57	
32 93 43 00-0389	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	109.22	
32 93 43 00-0390	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	129.70	
32 93 43 00-0391	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.83	
32 93 43 00-0392	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	204.78	
32 93 43 00-0393	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	296.56	
32 93 43 00-0394	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	431.36	
32 93 43 00-0395	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	641.68	
32 93 43 00-0396	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.23	
32 93 43 00-0397	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	118.63	
32 93 43 00-0398	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	161.76	
32 93 43 00-0399	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	196.30	
32 93 43 00-0400	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	81.64	
32 93 43 00-0401	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	102.05	
32 93 43 00-0402	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	180.55	
32 93 43 00-0403	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	259.05	
32 93 43 00-0404	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	163.83	
32 93 43 00-0405	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	197.96	
32 93 43 00-0406	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	238.91	
32 93 43 00-0407	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	286.70	
32 93 43 00-0408	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	341.30	
32 93 43 00-0409	EA	2" Caliper Populus alba & cvs - White Poplar	163.83	
32 93 43 00-0410	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	191.13	
32 93 43 00-0411	EA	3" Caliper Populus alba & cvs - White Poplar	218.43	
32 93 43 00-0412	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	259.39	
32 93 43 00-0413	EA	4" Caliper Populus alba & cvs - White Poplar	286.70	
32 93 43 00-0414	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	327.65	
32 93 43 00-0415	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	150.17	
32 93 43 00-0416	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	197.96	
32 93 43 00-0417	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	238.91	
32 93 43 00-0418	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	286.70	
32 93 43 00-0419	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	341.30	
32 93 43 00-0420	EA	2" Caliper Quercus palustris - Pin Oak	150.17	
32 93 43 00-0421	EA	2-1/2" Caliper Quercus palustris - Pin Oak	204.78	
32 93 43 00-0422	EA	3" Caliper Quercus palustris - Pin Oak	266.22	
32 93 43 00-0423	EA	3-1/2" Caliper Quercus palustris - Pin Oak	307.17	
32 93 43 00-0424	EA	4" Caliper Quercus palustris - Pin Oak	354.96	
32 93 43 00-0425	EA	4-1/2" Caliper Quercus palustris - Pin Oak	402.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0426	EA	5" Caliper Quercus palustris - Pin Oak	443.70	
32 93 43 00-0427	EA	2" Caliper Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0428	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0429	EA	3" Caliper Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0430	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0431	EA	4" Caliper Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0432	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	546.09	
32 93 43 00-0433	EA	5" Caliper Quercus shumardii - Shumard Oak	614.35	
32 93 43 00-0434	EA	24" Box Salix babylonica - Weeping Willow	172.54	
32 93 43 00-0435	EA	36" Box Salix babylonica - Weeping Willow	431.36	
32 93 43 00-0436	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	99.23	
32 93 43 00-0437	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	118.63	
32 93 43 00-0438	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	129.41	
32 93 43 00-0439	EA	2' Thuja occidentalis - American Arborviatae	23.39	
32 93 43 00-0440	EA	2-1/2' Thuja occidentalis - American Arborviatae	25.28	
32 93 43 00-0441	EA	3' Thuja occidentalis - American Arborviatae	36.11	
32 93 43 00-0442	EA	4' Thuja occidentalis - American Arborviatae	49.61	
32 93 43 00-0443	EA	5' Thuja occidentalis - American Arborviatae	69.08	
32 93 43 00-0444	EA	6' Thuja occidentalis - American Arborviatae	95.77	
32 93 43 00-0445	EA	7' Thuja occidentalis - American Arborviatae	116.18	
32 93 43 00-0446	EA	8' Thuja occidentalis - American Arborviatae	163.28	
32 93 43 00-0447	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	171.68	
32 93 43 00-0448	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	207.38	
32 93 43 00-0449	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	238.91	
32 93 43 00-0450	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	293.52	
32 93 43 00-0451	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	334.48	
32 93 43 00-0452	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	375.43	
32 93 43 00-0453	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	416.39	
32 93 43 00-0454	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	191.13	
32 93 43 00-0455	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	218.43	
32 93 43 00-0456	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	238.91	
32 93 43 00-0457	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	259.39	
32 93 43 00-0458	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	286.70	
32 93 43 00-0459	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	341.30	
32 93 43 00-0460	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	402.74	
32 93 43 00-0461	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	218.43	
32 93 43 00-0462	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	238.91	
32 93 43 00-0463	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	259.39	
32 93 43 00-0464	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	286.70	
32 93 43 00-0465	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	341.30	
32 93 43 00-0466	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	402.74	
32 93 43 00-0467	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	464.17	
32 93 43 00-0468	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	218.43	
32 93 43 00-0469	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	238.91	
32 93 43 00-0470	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	259.39	
32 93 43 00-0471	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	286.70	
32 93 43 00-0472	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	341.30	
32 93 43 00-0473	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	402.74	
32 93 43 00-0474	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	464.17	
32 93 43 00-0475	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	139.98	
32 93 43 00-0476	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	249.86	
32 93 43 00-0477	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	365.76	
32 93 43 00-0478	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	454.57	
32 93 43 00-0479	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	588.53	
32 93 43 00-0480	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	669.81	
32 93 43 00-0481	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	176.11	
32 93 43 00-0482	EA	1-1/2" Caliper Quercus suber - Cork Oak	210.73	
32 93 43 00-0483	EA	2" Caliper Quercus suber - Cork Oak	292.01	
32 93 43 00-0484	EA	2-1/2" Caliper Quercus suber - Cork Oak	373.29	
32 93 43 00-0485	EA	3" Caliper Quercus suber - Cork Oak	466.61	
32 93 43 00-0486	EA	3-1/2" Caliper Quercus suber - Cork Oak	699.92	
32 93 43 00-0487	EA	4" Caliper Quercus suber - Cork Oak	903.12	
32 93 43 00-0488	EA	4-1/2" Caliper Quercus suber - Cork Oak	1,174.06	
32 93 43 00-0489	EA	1-1/2" Caliper Quercus ilex - Holly Oak	233.31	
32 93 43 00-0490	EA	2" Caliper Quercus ilex - Holly Oak	314.59	
32 93 43 00-0491	EA	2-1/2" Caliper Quercus ilex - Holly Oak	385.33	
32 93 43 00-0492	EA	3" Caliper Quercus ilex - Holly Oak	466.61	
32 93 43 00-0493	EA	3-1/2" Caliper Quercus ilex - Holly Oak	699.92	
32 93 43 00-0494	EA	4" Caliper Quercus ilex - Holly Oak	903.12	

32 93 43 00-0495 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	14.56	
32 93 43 00-0497	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	23.40	
32 93 43 00-0498	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	34.77	
32 93 43 00-0499	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	46.77	
32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	66.41	
32 93 43 00-0501	EA	5 Gallon Cedrus deodara - Indian Cedar	8.33	
32 93 43 00-0502	EA	6' To 8' Cedrus deodara - Indian Cedar	60.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0503	EA	8' To 10' Cedrus deodara - Indian Cedar	69.57	
32 93 43 00-0504	EA	10' To 12' Cedrus deodara - Indian Cedar	94.85	
32 93 43 00-0505	EA	12' To 14' Cedrus deodara - Indian Cedar	123.30	
32 93 43 00-0506	EA	14' To 16' Cedrus deodara - Indian Cedar	158.10	
32 93 43 00-0507	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	18.78	
32 93 43 00-0508	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	28.17	
32 93 43 00-0509	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	43.83	
32 93 43 00-0510	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13	
32 93 43 00-0511	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33	
32 93 43 00-0512	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33	
32 93 43 00-0513	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08	
32 93 43 00-0514	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25	
32 93 43 00-0515	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17	
32 93 43 00-0516	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83	
32 93 43 00-0517	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88	
32 93 43 00-0518	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48	
32 93 43 00-0519	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26	
32 93 43 00-0520	EA	5 Gallon Cupressus sempervirens - Italian Cypress	9.73	
32 93 43 00-0521	EA	15 Gallon Cupressus sempervirens - Italian Cypress	26.74	
32 93 43 00-0522	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	2.86	
32 93 43 00-0523	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.59	
32 93 43 00-0524	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	6.93	
32 93 43 00-0525	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	8.14	
32 93 43 00-0526	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0527	EA	2 Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0528	EA	3 Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0529	EA	5 Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0530	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	8.14	
32 93 43 00-0531	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0532	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0533	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0534	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0535	EA	5' To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0536	EA	1 Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0537	EA	5 Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0538	EA	15 Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0539	EA	4' To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0540	EA	5' To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0541	EA	1 Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0542	EA	2 Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0543	EA	3 Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0544	EA	5 Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0545	EA	5 Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0546	EA	15 Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0547	EA	2' To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0548	EA	3' To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0549	EA	4' To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0550	EA	5' To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0551	EA	6' To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0552	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0553	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-0554	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-0555	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-0556	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-0557	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-0558	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-0559	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-0560	EA	3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-0561	EA	4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-0562	EA	5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-0563	EA	6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-0564	EA	7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-0565	EA	8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-0566	EA	9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-0567	EA	10' Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-0568	EA	12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-0569	EA	14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-0570	EA	16' Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-0571	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-0572	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-0573	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-0574	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-0575	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-0576	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-0577	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-0578	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	58.17	
32 93 43 00-0579	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	72.70	
32 93 43 00-0580	EA	6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-0581	EA	7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-0582	EA	8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-0583	EA	9' Pinus flexilis & cvs - Limber Pine	177.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0584	EA	10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0585	EA	1 Gallon Pinus mugo - Mugho Pine	3.77	
32 93 43 00-0586	EA	2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-0587	EA	3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-0588	EA	5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-0589	EA	12" To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-0590	EA	15" To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-0591	EA	18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0592	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-0593	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0594	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0595	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0596	EA	6' Pinus nigra - Austrian Pine	101.03	
32 93 43 00-0597	EA	7' Pinus nigra - Austrian Pine	121.24	
32 93 43 00-0598	EA	8' Pinus nigra - Austrian Pine	157.61	
32 93 43 00-0599	EA	9' Pinus nigra - Austrian Pine	181.86	
32 93 43 00-0600	EA	10' Pinus nigra - Austrian Pine	214.19	
32 93 43 00-0601	EA	12' Pinus nigra - Austrian Pine	242.48	
32 93 43 00-0602	EA	14' Pinus nigra - Austrian Pine	270.77	
32 93 43 00-0603	EA	16' Pinus nigra - Austrian Pine	307.14	
32 93 43 00-0604	EA	1 Gallon Podocarpus - Chinese Podocarpus	1.88	
32 93 43 00-0605	EA	3 Gallon Podocarpus - Chinese Podocarpus	4.38	
32 93 43 00-0606	EA	7 Gallon Podocarpus - Chinese Podocarpus	12.64	
32 93 43 00-0607	EA	15 Gallon Podocarpus - Chinese Podocarpus	20.54	
32 93 43 00-0608	EA	4' To 5' Podocarpus - Chinese Podocarpus	31.61	
32 93 43 00-0609	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	39.51	
32 93 43 00-0610	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	53.34	
32 93 43 00-0611	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	65.19	
32 93 43 00-0612	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	7.62	
32 93 43 00-0613	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	12.45	
32 93 43 00-0614	EA	6' Cedrus decurrens - Incese Cedar	67.85	
32 93 43 00-0615	EA	8' Cedrus decurrens - Incese Cedar	140.35	
32 93 43 00-0616	EA	10' Cedrus decurrens - Incese Cedar	185.90	
32 93 43 00-0617	EA	12' Cedrus decurrens - Incese Cedar	246.32	
32 93 43 00-0618	EA	6' Melaleuca linarifolia - Flaxleaf Paperbark	195.20	
32 93 43 00-0619	EA	8' Melaleuca linarifolia - Flaxleaf Paperbark	260.26	
32 93 43 00-0620	EA	10' Melaleuca linarifolia - Flaxleaf Paperbark	325.32	
32 93 43 00-0621	EA	12' Melaleuca linarifolia - Flaxleaf Paperbark	390.39	
32 93 43 00-0622	EA	24" Box Melaleuca linarifolia - Flaxleaf Paperbark	114.79	
32 93 43 00-0623	EA	6' Melaleuca quinquenervia - Cajeput Tree	195.20	
32 93 43 00-0624	EA	8' Melaleuca quinquenervia - Cajeput Tree	260.26	
32 93 43 00-0625	EA	10' Melaleuca quinquenervia - Cajeput Tree	325.32	
32 93 43 00-0626	EA	12' Melaleuca quinquenervia - Cajeput Tree	390.39	
32 93 43 00-0627	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	108.75	
32 93 43 00-0628	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	274.20	
32 93 43 00-0629	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	432.22	
32 93 43 00-0630	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	57.63	
32 93 43 00-0631	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	78.08	
32 93 43 00-0632	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	132.92	
32 93 43 00-0633	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	164.52	
32 93 43 00-0634	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	145.00	
32 93 43 00-0635	EA	6' Pinus canariensis - Canary Island Pine	223.08	
32 93 43 00-0636	EA	8' Pinus canariensis - Canary Island Pine	297.44	
32 93 43 00-0637	EA	10' Pinus canariensis - Canary Island Pine	371.80	
32 93 43 00-0638	EA	12' Pinus canariensis - Canary Island Pine	446.16	
32 93 43 00-0639	EA	24" Box Pinus canariensis - Canary Island Pine	132.92	
32 93 43 00-0640	EA	6' Pinus pinea - Italian Stone Pine	223.08	
32 93 43 00-0641	EA	8' Pinus pinea - Italian Stone Pine	297.44	
32 93 43 00-0642	EA	10' Pinus pinea - Italian Stone Pine	371.80	
32 93 43 00-0643	EA	12' Pinus pinea - Italian Stone Pine	446.16	
32 93 43 00-0644	EA	6' Pittosporum undulatum - Victorian Box	122.69	
32 93 43 00-0645	EA	8' Pittosporum undulatum - Victorian Box	194.27	
32 93 43 00-0646	EA	10' Pittosporum undulatum - Victorian Box	255.61	
32 93 43 00-0647	EA	6' Podocarpus gracilior - African Fern Pine	232.38	
32 93 43 00-0648	EA	8' Podocarpus gracilior - African Fern Pine	306.74	
32 93 43 00-0649	EA	10' Podocarpus gracilior - African Fern Pine	390.39	
32 93 43 00-0650	EA	12' Podocarpus gracilior - African Fern Pine	464.75	
32 93 43 00-0651	EA	24" Box Podocarpus gracilior - African Fern Pine	108.75	
32 93 43 00-0652	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	4.32	
32 93 43 00-0653	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	10.13	
32 93 43 00-0654	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	13.29	
32 93 43 00-0655	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	57.63	
32 93 43 00-0656	EA	24" Box Podocarpus macrophyllus - Yew Pine	111.54	
32 93 43 00-0657	EA	24" Box Rhus lancea - African Sumac	114.79	
32 93 43 00-0658	EA	30" Box Rhus lancea - African Sumac	185.90	
32 93 43 00-0659	EA	8' Rhus lancea - African Sumac	278.85	
32 93 43 00-0660	EA	10' Rhus lancea - African Sumac	311.38	
32 93 43 00-0661	EA	12' Rhus lancea - African Sumac	371.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0662		**Palm And Subtropical Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0663	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	64.97	
32 93 43 00-0664	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	101.06	
32 93 43 00-0665	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	129.94	
32 93 43 00-0666	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	173.25	
32 93 43 00-0667	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	49.22	
32 93 43 00-0668	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	68.91	
32 93 43 00-0669	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	88.59	
32 93 43 00-0670	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	108.28	
32 93 43 00-0671	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	131.25	
32 93 43 00-0672	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	164.06	
32 93 43 00-0673	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	137.81	
32 93 43 00-0674	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	216.56	
32 93 43 00-0675	EA	3' To 4' Chamaerops humilis - European Fan Palm	118.12	
32 93 43 00-0676	EA	5' To 6' Chamaerops humilis - European Fan Palm	157.50	
32 93 43 00-0677	EA	7' To 8' Chamaerops humilis - European Fan Palm	367.50	
32 93 43 00-0678	EA	9' To 10' Chamaerops humilis - European Fan Palm	630.00	
32 93 43 00-0679	EA	12' To 16' Cocos nucifera - Coconut Palm	276.77	
32 93 43 00-0680	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	91.88	
32 93 43 00-0681	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	183.75	
32 93 43 00-0682	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	236.25	
32 93 43 00-0683	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	328.12	
32 93 43 00-0684	EA	4' To 5' Rhapis excelsa - Lady Palm	249.38	
32 93 43 00-0685	EA	6' To 7' Rhapis excelsa - Lady Palm	354.38	
32 93 43 00-0686	EA	8' To 9' Roystonea regia - Royal Palm	200.81	
32 93 43 00-0687	EA	10' To 11' Roystonea regia - Royal Palm	245.44	
32 93 43 00-0688	EA	12' To 13' Roystonea regia - Royal Palm	290.06	
32 93 43 00-0689	EA	14' To 15' Roystonea regia - Royal Palm	334.69	
32 93 43 00-0690	EA	16' To 17' Roystonea regia - Royal Palm	379.31	
32 93 43 00-0691	EA	18' To 19' Roystonea regia - Royal Palm	423.94	
32 93 43 00-0692	EA	20' To 21' Roystonea regia - Royal Palm	468.56	
32 93 43 00-0693	EA	10' To 16' Sabal palmetto - Cabbage Palm	101.49	
32 93 43 00-0694	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	275.62	
32 93 43 00-0695	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	354.38	
32 93 43 00-0696	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	433.12	
32 93 43 00-0697	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44	
32 93 43 00-0698	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06	
32 93 43 00-0699	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38	
32 93 43 00-0700	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19	
32 93 43 00-0701	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12	
32 93 43 00-0702	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	282.19	
32 93 43 00-0703	EA	6' Bauninia blakeana - Hong Kong Orchid	334.69	
32 93 43 00-0704	EA	8' Bauninia blakeana - Hong Kong Orchid	446.25	
32 93 43 00-0705	EA	10' Bauninia blakeana - Hong Kong Orchid	557.81	
32 93 43 00-0706	EA	4' To 5' Acacia baileyana - Bailey Acacia	262.50	
32 93 43 00-0707	EA	6' Acacia baileyana - Bailey Acacia	315.00	
32 93 43 00-0708	EA	8' Acacia baileyana - Bailey Acacia	367.50	
32 93 43 00-0709	EA	10' Acacia baileyana - Bailey Acacia	459.38	
32 93 43 00-0710	EA	6' Agonis flexuosa - Peppermint	157.50	
32 93 43 00-0711	EA	8' Agonis flexuosa - Peppermint	196.88	
32 93 43 00-0712	EA	10' Agonis flexuosa - Peppermint	236.25	
32 93 43 00-0713	EA	24" Box Agonis flexuosa - Peppermint	196.22	
32 93 43 00-0714	EA	6' Bauhinia purpurea - Purple Orchid Tree	354.38	
32 93 43 00-0715	EA	8' Bauhinia purpurea - Purple Orchid Tree	472.50	
32 93 43 00-0716	EA	10' Bauhinia purpurea - Purple Orchid Tree	590.62	
32 93 43 00-0717	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	153.56	
32 93 43 00-0718	EA	6' Bauhinia variegata candida - White Orchid Tree	393.75	
32 93 43 00-0719	EA	8' Bauhinia variegata candida - White Orchid Tree	525.00	
32 93 43 00-0720	EA	10' Bauhinia variegata candida - White Orchid Tree	656.25	
32 93 43 00-0721	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38	
32 93 43 00-0722	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	472.50	
32 93 43 00-0723	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	590.62	
32 93 43 00-0724	EA	6' Eriobotrya deflexa - Bronze Loquat	354.38	
32 93 43 00-0725	EA	8' Eriobotrya deflexa - Bronze Loquat	472.50	
32 93 43 00-0726	EA	10' Eriobotrya deflexa - Bronze Loquat	590.62	
32 93 43 00-0727	EA	6' Eucalyptus erythrocorys - Red Cap Gum	354.38	
32 93 43 00-0728	EA	8' Eucalyptus erythrocorys - Red Cap Gum	472.50	
32 93 43 00-0729	EA	10' Eucalyptus erythrocorys - Red Cap Gum	590.62	
32 93 43 00-0730	EA	6' Eucalyptus torquala - Coral Gum	354.38	
32 93 43 00-0731	EA	8' Eucalyptus torquala - Coral Gum	472.50	
32 93 43 00-0732	EA	10' Eucalyptus torquala - Coral Gum	590.62	
32 93 43 00-0733	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50	
32 93 43 00-0734	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75	
32 93 43 00-0735	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88	
32 93 43 00-0736	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	4.63	
32 93 43 00-0737	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	14.39	
32 93 43 00-0738	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	50.37	
32 93 43 00-0739	EA	24" Box Washingtonia robusta - Mexican Fan Palm	164.46	
32 93 43 00-0740	EA	36" Box Washingtonia robusta - Mexican Fan Palm	436.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0741	EA	6' Washingtonia robusta - Mexican Fan Palm	354.38	
32 93 43 00-0742	EA	8' Washingtonia robusta - Mexican Fan Palm	472.50	
32 93 43 00-0743	EA	10' Washingtonia robusta - Mexican Fan Palm	590.62	
32 93 43 00-0744	EA	12' Washingtonia robusta - Mexican Fan Palm	708.75	
32 93 43 00-0745	EA	6' Olea europaea - Olive "Fruitless"	354.38	
32 93 43 00-0746	EA	8' Olea europaea - Olive "Fruitless"	472.50	
32 93 43 00-0747	EA	10' Olea europaea - Olive "Fruitless"	590.62	
32 93 43 00-0748	EA	12' Olea europaea - Olive "Fruitless"	708.75	
32 93 43 00-0749	EA	24" Box Olea europaea - Olive "Fruitless"	435.75	
32 93 43 00-0750	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38	
32 93 43 00-0751	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50	
32 93 43 00-0752	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62	
32 93 43 00-0753	EA	6' Eucalyptus leucoxylon - White Ironbark	354.38	
32 93 43 00-0754	EA	8' Eucalyptus leucoxylon - White Ironbark	472.50	
32 93 43 00-0755	EA	10' Eucalyptus leucoxylon - White Ironbark	590.62	
32 93 43 00-0756	EA	12' Eucalyptus leucoxylon - White Ironbark	708.75	
32 93 43 00-0757	EA	6' Callistemon viminalis - Weeping Bottle Brush	354.38	
32 93 43 00-0758	EA	8' Callistemon viminalis - Weeping Bottle Brush	472.50	
32 93 43 00-0759	EA	10' Callistemon viminalis - Weeping Bottle Brush	590.62	
32 93 43 00-0760	EA	12' Callistemon viminalis - Weeping Bottle Brush	708.75	
32 93 43 00-0761	EA	6' Eucalyptus gunnii - Cider Gum	354.38	
32 93 43 00-0762	EA	8' Eucalyptus gunnii - Cider Gum	472.50	
32 93 43 00-0763	EA	10' Eucalyptus gunnii - Cider Gum	590.62	
32 93 43 00-0764	EA	6' Jacarandra acutifolia - Jacaranda	354.38	
32 93 43 00-0765	EA	8' Jacarandra acutifolia - Jacaranda	472.50	
32 93 43 00-0766	EA	10' Jacarandra acutifolia - Jacaranda	590.62	
32 93 43 00-0767	EA	24" Box Jacarandra acutifolia - Jacaranda	153.56	
32 93 43 00-0768	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	17.60	
32 93 43 00-0769	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	42.91	
32 93 43 00-0770	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	64.91	
32 93 43 00-0771	EA	24" Box Phoenix roebelenii - Pygmy Date Palm	192.54	
32 93 43 00-0772	EA	5 Gallon Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-0773	EA	15 Gallon Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-0774	EA	24" Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-0775	EA	36" Box Pistacia chinensis - Chinese Pistache	813.75	
32 93 43 00-0776	EA	48" Box Pistacia chinensis - Chinese Pistache	1,732.50	
32 93 43 00-0777	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	24.41	
32 93 43 00-0778	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	81.38	
32 93 43 00-0779	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	305.81	
32 93 43 00-0780	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	559.12	
32 93 43 00-0781	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	813.75	
32 93 43 00-0782	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.41	
32 93 43 00-0783	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.62	
32 93 43 00-0784	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	315.00	
32 93 43 00-0785	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	559.12	
32 93 43 00-0786	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	813.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees *(32 93 53)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.06
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.71
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.13
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.40
32 93 53 00-0006	EA	1 Gallon Container Tree Planting	17.01
		For >10 To 25, Deduct	*-0.85*
		For >25 To 50, Deduct	*-2.13*
		For >50 To 100, Deduct	*-3.40*
		For >100, Deduct	*-5.10*
32 93 53 00-0007	EA	2 Gallon Container Tree Planting	23.82
		For >10 To 25, Deduct	*-1.19*
		For >25 To 50, Deduct	*-2.98*
		For >50 To 100, Deduct	*-4.76*
		For >100, Deduct	*-7.15*
32 93 53 00-0008	EA	3 Gallon Container Tree Planting	30.62
		For >10 To 25, Deduct	*-1.53*
		For >25 To 50, Deduct	*-3.83*
		For >50 To 100, Deduct	*-6.12*
		For >100, Deduct	*-9.19*
32 93 53 00-0009	EA	5 Gallon Container Tree Planting	51.03
		For >10 To 25, Deduct	*-2.55*
		For >25 To 50, Deduct	*-6.38*
		For >50 To 100, Deduct	*-10.21*
		For >100, Deduct	*-15.31*
32 93 53 00-0010	EA	7 Gallon Container Tree Planting	68.04
		For >10 To 25, Deduct	*-3.40*
		For >25 To 50, Deduct	*-8.51*
		For >50 To 100, Deduct	*-13.61*
		For >100, Deduct	*-20.41*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0011	EA	10 Gallon Container Tree Planting	88.45	
		For >10 To 25, Deduct	*-4.42*	
		For >25 To 50, Deduct	*-11.06*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-26.54*	
32 93 53 00-0012	EA	15 Gallon Container Tree Planting	125.87	
		For >10 To 25, Deduct	*-6.29*	
		For >25 To 50, Deduct	*-15.73*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-37.76*	
32 93 53 00-0013	EA	20 Gallon Container Tree Planting	207.52	
		For >10 To 25, Deduct	*-10.38*	
		For >25 To 50, Deduct	*-25.94*	
		For >50 To 100, Deduct	*-41.50*	
		For >100, Deduct	*-62.26*	
32 93 53 00-0014	EA	25 Gallon Container Tree Planting	268.76	
		For >10 To 25, Deduct	*-13.44*	
		For >25 To 50, Deduct	*-33.60*	
		For >50 To 100, Deduct	*-53.75*	
		For >100, Deduct	*-80.63*	
32 93 53 00-0015	EA	30 Gallon Container Tree Planting	323.18	
		For >10 To 25, Deduct	*-16.16*	
		For >25 To 50, Deduct	*-40.40*	
		For >50 To 100, Deduct	*-64.64*	
		For >100, Deduct	*-96.95*	
32 93 53 00-0016	EA	45 Gallon Container Tree Planting	401.43	
		For >10 To 25, Deduct	*-20.07*	
		For >25 To 50, Deduct	*-50.18*	
		For >50 To 100, Deduct	*-80.29*	
		For >100, Deduct	*-120.43*	
32 93 53 00-0017	EA	65 Gallon Container Tree Planting	476.27	
		For >10 To 25, Deduct	*-23.81*	
		For >25 To 50, Deduct	*-59.53*	
		For >50 To 100, Deduct	*-95.25*	
		For >100, Deduct	*-142.88*	
32 93 53 00-0018	EA	6' Balled And Burlapped Tree Planting	170.09	
		For >10 To 25, Deduct	*-8.50*	
		For >25 To 50, Deduct	*-21.26*	
		For >50 To 100, Deduct	*-34.02*	
		For >100, Deduct	*-51.03*	
32 93 53 00-0019	EA	7' Balled And Burlapped Tree Planting	226.58	
		For >10 To 25, Deduct	*-11.33*	
		For >25 To 50, Deduct	*-28.32*	
		For >50 To 100, Deduct	*-45.32*	
		For >100, Deduct	*-67.97*	
32 93 53 00-0020	EA	8' Balled And Burlapped Tree Planting	255.15	
		For >10 To 25, Deduct	*-12.76*	
		For >25 To 50, Deduct	*-31.89*	
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-76.55*	
32 93 53 00-0021	EA	10' Balled And Burlapped Tree Planting	297.67	
		For >10 To 25, Deduct	*-14.88*	
		For >25 To 50, Deduct	*-37.21*	
		For >50 To 100, Deduct	*-59.53*	
		For >100, Deduct	*-89.30*	
32 93 53 00-0022	EA	12' Balled And Burlapped Tree Planting	398.03	
		For >10 To 25, Deduct	*-19.90*	
		For >25 To 50, Deduct	*-49.75*	
		For >50 To 100, Deduct	*-79.61*	
		For >100, Deduct	*-119.41*	
32 93 53 00-0023	EA	14' Balled And Burlapped Tree Planting	455.87	
		For >10 To 25, Deduct	*-22.79*	
		For >25 To 50, Deduct	*-56.98*	
		For >50 To 100, Deduct	*-91.17*	
		For >100, Deduct	*-136.76*	
32 93 53 00-0024	EA	16' Balled And Burlapped Tree Planting	552.82	
		For >10 To 25, Deduct	*-27.64*	
		For >25 To 50, Deduct	*-69.10*	
		For >50 To 100, Deduct	*-110.56*	
		For >100, Deduct	*-165.85*	
32 93 53 00-0025	EA	18' Balled And Burlapped Tree Planting	663.38	
		For >10 To 25, Deduct	*-33.17*	
		For >25 To 50, Deduct	*-82.92*	
		For >50 To 100, Deduct	*-132.68*	
		For >100, Deduct	*-199.01*	
32 93 53 00-0026	EA	20' Balled And Burlapped Tree Planting	765.45	
		For >10 To 25, Deduct	*-38.27*	
		For >25 To 50, Deduct	*-95.68*	
		For >50 To 100, Deduct	*-153.09*	
		For >100, Deduct	*-229.64*	
32 93 53 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	255.15	
		For >10 To 25, Deduct	*-12.76*	
		For >25 To 50, Deduct	*-31.89*	
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-76.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	297.67	
		For >10 To 25, Deduct	*-14.88*	
		For >25 To 50, Deduct	*-37.21*	
		For >50 To 100, Deduct	*-59.53*	
		For >100, Deduct	*-89.30*	
32 93 53 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	399.73	
		For >10 To 25, Deduct	*-19.99*	
		For >25 To 50, Deduct	*-49.97*	
		For >50 To 100, Deduct	*-79.95*	
		For >100, Deduct	*-119.92*	
32 93 53 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	459.27	
		For >10 To 25, Deduct	*-22.96*	
		For >25 To 50, Deduct	*-57.41*	
		For >50 To 100, Deduct	*-91.85*	
		For >100, Deduct	*-137.78*	
32 93 53 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	510.29	
		For >10 To 25, Deduct	*-25.51*	
		For >25 To 50, Deduct	*-63.79*	
		For >50 To 100, Deduct	*-102.06*	
		For >100, Deduct	*-153.09*	
32 93 53 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	585.14	
		For >10 To 25, Deduct	*-29.26*	
		For >25 To 50, Deduct	*-73.14*	
		For >50 To 100, Deduct	*-117.03*	
		For >100, Deduct	*-175.54*	

32 93 53 00-0033 Planting Shrubs *(32 93 53)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0034	EA	1 Gallon Container Shrub Planting	14.47	
		For >10 To 25, Deduct	*-0.72*	
		For >25 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-4.34*	
32 93 53 00-0035	EA	2 Gallon Container Shrub Planting	20.42	
		For >10 To 25, Deduct	*-1.02*	
		For >25 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-6.13*	
32 93 53 00-0036	EA	3 Gallon Container Shrub Planting	25.51	
		For >10 To 25, Deduct	*-1.28*	
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-5.10*	
		For >100, Deduct	*-7.65*	
32 93 53 00-0037	EA	4 Gallon Container Shrub Planting	34.02	
		For >10 To 25, Deduct	*-1.70*	
		For >25 To 50, Deduct	*-4.25*	
		For >50 To 100, Deduct	*-6.80*	
		For >100, Deduct	*-10.21*	
32 93 53 00-0038	EA	5 Gallon Container Shrub Planting	42.53	
		For >10 To 25, Deduct	*-2.13*	
		For >25 To 50, Deduct	*-5.32*	
		For >50 To 100, Deduct	*-8.51*	
		For >100, Deduct	*-12.76*	
32 93 53 00-0039	EA	7 Gallon Container Shrub Planting	57.84	
		For >10 To 25, Deduct	*-2.89*	
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-11.57*	
		For >100, Deduct	*-17.35*	
32 93 53 00-0040	EA	10 Gallon Container Shrub Planting	76.54	
		For >10 To 25, Deduct	*-3.83*	
		For >25 To 50, Deduct	*-9.57*	
		For >50 To 100, Deduct	*-15.31*	
		For >100, Deduct	*-22.96*	
32 93 53 00-0041	EA	15 Gallon Container Shrub Planting	105.46	
		For >10 To 25, Deduct	*-5.27*	
		For >25 To 50, Deduct	*-13.18*	
		For >50 To 100, Deduct	*-21.09*	
		For >100, Deduct	*-31.64*	
32 93 53 00-0042	EA	20 Gallon Container Shrub Planting	176.91	
		For >10 To 25, Deduct	*-8.85*	
		For >25 To 50, Deduct	*-22.11*	
		For >50 To 100, Deduct	*-35.38*	
		For >100, Deduct	*-53.07*	
32 93 53 00-0043	EA	25 Gallon Container Shrub Planting	226.58	
		For >10 To 25, Deduct	*-11.33*	
		For >25 To 50, Deduct	*-28.32*	
		For >50 To 100, Deduct	*-45.32*	
		For >100, Deduct	*-67.97*	
32 93 53 00-0044	EA	15" Balled And Burlapped Shrub Planting	47.63	
		For >10 To 25, Deduct	*-2.38*	
		For >25 To 50, Deduct	*-5.95*	
		For >50 To 100, Deduct	*-9.53*	
		For >100, Deduct	*-14.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0045	EA	18" Balled And Burlapped Shrub Planting	49.33	
		For >10 To 25, Deduct	*-2.47*	
		For >25 To 50, Deduct	*-6.17*	
		For >50 To 100, Deduct	*-9.87*	
		For >100, Deduct	*-14.80*	
32 93 53 00-0046	EA	24" Balled And Burlapped Shrub Planting	54.43	
		For >10 To 25, Deduct	*-2.72*	
		For >25 To 50, Deduct	*-6.80*	
		For >50 To 100, Deduct	*-10.89*	
		For >100, Deduct	*-16.33*	
32 93 53 00-0047	EA	30" Balled And Burlapped Shrub Planting	54.43	
		For >10 To 25, Deduct	*-2.72*	
		For >25 To 50, Deduct	*-6.80*	
		For >50 To 100, Deduct	*-10.89*	
		For >100, Deduct	*-16.33*	
32 93 53 00-0048	EA	36" Balled And Burlapped Shrub Planting	59.53	
		For >10 To 25, Deduct	*-2.98*	
		For >25 To 50, Deduct	*-7.44*	
		For >50 To 100, Deduct	*-11.91*	
		For >100, Deduct	*-17.86*	
32 93 53 00-0049	EA	42" Balled And Burlapped Shrub Planting	62.94	
		For >10 To 25, Deduct	*-3.15*	
		For >25 To 50, Deduct	*-7.87*	
		For >50 To 100, Deduct	*-12.59*	
		For >100, Deduct	*-18.88*	
32 93 53 00-0050	EA	48" Balled And Burlapped Shrub Planting	68.04	
		For >10 To 25, Deduct	*-3.40*	
		For >25 To 50, Deduct	*-8.51*	
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-20.41*	
32 93 53 00-0051	EA	5' Balled And Burlapped Shrub Planting	102.06	
		For >10 To 25, Deduct	*-5.10*	
		For >25 To 50, Deduct	*-12.76*	
		For >50 To 100, Deduct	*-20.41*	
		For >100, Deduct	*-30.62*	
32 93 53 00-0052	EA	6' Balled And Burlapped Shrub Planting	144.58	
		For >10 To 25, Deduct	*-7.23*	
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-28.92*	
		For >100, Deduct	*-43.37*	
32 93 53 00-0053	EA	7' Balled And Burlapped Shrub Planting	192.22	
		For >10 To 25, Deduct	*-9.61*	
		For >25 To 50, Deduct	*-24.03*	
		For >50 To 100, Deduct	*-38.44*	
		For >100, Deduct	*-57.67*	
32 93 53 00-0054	EA	8' Balled And Burlapped Shrub Planting	217.73	
		For >10 To 25, Deduct	*-10.89*	
		For >25 To 50, Deduct	*-27.22*	
		For >50 To 100, Deduct	*-43.55*	
		For >100, Deduct	*-65.32*	
32 93 53 00-0055	EA	9' Balled And Burlapped Shrub Planting	234.74	
		For >10 To 25, Deduct	*-11.74*	
		For >25 To 50, Deduct	*-29.34*	
		For >50 To 100, Deduct	*-46.95*	
		For >100, Deduct	*-70.42*	
32 93 53 00-0056	EA	10' Balled And Burlapped Shrub Planting	255.15	
		For >10 To 25, Deduct	*-12.76*	
		For >25 To 50, Deduct	*-31.89*	
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-76.55*	

32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 53)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.41	
		For >10 To 25, Deduct	*-0.07*	
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.28*	
		For >100, Deduct	*-0.42*	
32 93 53 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	1.61	
		For >10 To 25, Deduct	*-0.08*	
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.48*	
32 93 53 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	1.89	
		For >10 To 25, Deduct	*-0.09*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.57*	
32 93 53 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	2.27	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	2.84	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-0.85*	
32 93 53 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	4.25	
		For >10 To 25, Deduct	*-0.21*	
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.28*	
32 93 53 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	13.60	
		For >10 To 25, Deduct	*-0.68*	
		For >25 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-4.08*	
32 93 53 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	18.71	
		For >10 To 25, Deduct	*-0.94*	
		For >25 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-3.74*	
		For >100, Deduct	*-5.61*	
32 93 53 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	23.82	
		For >10 To 25, Deduct	*-1.19*	
		For >25 To 50, Deduct	*-2.98*	
		For >50 To 100, Deduct	*-4.76*	
		For >100, Deduct	*-7.15*	
32 93 53 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	30.62	
		For >10 To 25, Deduct	*-1.53*	
		For >25 To 50, Deduct	*-3.83*	
		For >50 To 100, Deduct	*-6.12*	
		For >100, Deduct	*-9.19*	
32 93 53 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	37.42	
		For >10 To 25, Deduct	*-1.87*	
		For >25 To 50, Deduct	*-4.68*	
		For >50 To 100, Deduct	*-7.48*	
		For >100, Deduct	*-11.23*	
32 93 53 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	51.03	
		For >10 To 25, Deduct	*-2.55*	
		For >25 To 50, Deduct	*-6.38*	
		For >50 To 100, Deduct	*-10.21*	
		For >100, Deduct	*-15.31*	
32 93 53 00-0070	EA	Bulb Planting	0.85	
		For >10 To 25, Deduct	*-0.04*	
		For >25 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.26*	
32 93 53 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	23.81	
		For >10 To 25, Deduct	*-1.19*	
		For >25, Deduct	*-2.98*	
32 93 53 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	33.78	
		For >10 To 25, Deduct	*-1.69*	
		For >25, Deduct	*-4.22*	
32 93 53 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	44.97	
		For >10 To 25, Deduct	*-2.25*	
		For >25, Deduct	*-5.62*	

32 93 53 00-0074 Tree Pits *(32 93 53)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 53 00-0075	EA	2' x 1-1/4' Deep Tree Pit	91.29
32 93 53 00-0076	EA	2' x 2-1/2' Deep Tree Pit	136.90
32 93 53 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	176.68
32 93 53 00-0078	EA	2-1/2' x 3' Deep Tree Pit	264.97
32 93 53 00-0079	EA	3' x 1-3/4' Deep Tree Pit	272.99
32 93 53 00-0080	EA	3' x 3-1/2' Deep Tree Pit	407.41
32 93 53 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	334.70
32 93 53 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	501.36
32 93 53 00-0083	EA	4' x 2' Deep Tree Pit	400.13
32 93 53 00-0084	EA	4' x 4' Deep Tree Pit	599.87
32 93 53 00-0085	EA	4-1/2' x 2' Deep Tree Pit	576.32
32 93 53 00-0086	EA	4-1/2' x 4' Deep Tree Pit	866.13
32 93 53 00-0087	EA	5' x 2-1/4' Deep Tree Pit	766.56
32 93 53 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,141.93
32 93 53 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,087.12
32 93 53 00-0090	EA	6' x 5' Deep Tree Pit	1,628.29
32 93 53 00-0091	EA	7' x 3' Deep Tree Pit	1,831.56
32 93 53 00-0092	EA	7' x 6' Deep Tree Pit	2,761.73
32 93 53 00-0093	EA	8' x 3-1/4' Deep Tree Pit	2,519.00
32 93 53 00-0094	EA	8' x 6-1/2' Deep Tree Pit	3,776.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	3.59	0.87
		For >2,000 To 5,000 LF, Deduct	*-0.19*	
		For >5,000 LF, Deduct	*-0.37*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	2.32	0.87
		For >2,000 To 5,000 LF, Deduct	*-0.06*	
		For >5,000 LF, Deduct	*-0.12*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	2.35	0.87
		For >2,000 To 5,000 LF, Deduct	*-0.06*	
		For >5,000 LF, Deduct	*-0.12*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	2.37	0.87
		For >2,000 To 5,000 LF, Deduct	*-0.06*	
		For >5,000 LF, Deduct	*-0.13*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.48	2.06
		For >1,000 LF, Deduct	*-0.59*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.97	2.06
		For >1,000 LF, Deduct	*-0.71*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	7.00	2.06
		For >1,000 LF, Deduct	*-0.72*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.87	2.13
		For >1,000 LF, Deduct	*-0.91*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.48	2.13
		For >1,000 LF, Deduct	*-1.07*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	8.46	2.13
		For >1,000 LF, Deduct	*-1.06*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.19	2.20
		For >1,000 LF, Deduct	*-0.71*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.86	2.20
		For >1,000 LF, Deduct	*-0.88*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	7.93	2.20
		For >1,000 LF, Deduct	*-0.90*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.81	2.27
		For >1,000 LF, Deduct	*-1.09*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.48	2.27
		For >1,000 LF, Deduct	*-1.25*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	9.53	2.27
		For >1,000 LF, Deduct	*-1.27*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	6.85	2.13
		For >1,000 LF, Deduct	*-0.65*	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	7.84	2.13
		For >1,000 LF, Deduct	*-0.90*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	10.48	2.13
		For >1,000 LF, Deduct	*-1.56*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	5.42	2.06
		For >1,000 LF, Deduct	*-0.33*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	6.00	2.06
		For >1,000 LF, Deduct	*-0.47*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	6.52	2.06
		For >1,000 LF, Deduct	*-0.60*	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	6.63	2.06
		For >1,000 LF, Deduct	*-0.63*	
32 94 13 00-0025	LF	4-1/2" x 12" Granite Edging	22.71	10.72
32 94 13 00-0026	LF	2" x 8" x 16" Precast Scallops, Green	4.18	1.56
32 94 13 00-0027	LF	2" x 8" x 16" Precast Scallops, Other Than Green	3.97	1.56
32 94 13 00-0028	LF	Brick, Set Horizontally, 1-1/2 Per LF	4.79	1.72
32 94 13 00-0029	LF	Brick, Set Horizontally, 3 Per LF	12.12	4.69
32 94 13 00-0030	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.74	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	1" x 4" Redwood Edging	4.04	1.36
32 94 16 00-0002	LF	2" x 4" Redwood Edging	5.55	2.04
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	8.35	2.72
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	10.94	3.41
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	12.74	4.00
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	3.21	1.36
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	4.88	2.04
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	7.93	2.64
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	10.85	3.41
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	13.32	4.00
32 94 16 00-0011	LF	6" x 8" Railroad Ties	11.57	3.82
32 94 16 00-0012	LF	7" x 9" Railroad Ties	13.95	4.80

32 94 23 Plant Protection *(32 94)*

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	1.81

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43		**Tree Grates** *(32 94)*		
32 94 43 00-0001		Tree Grates With Frames *(32 94 43)*		
32 94 43 00-0002		Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	475.18	50.58
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	543.17	50.58
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	661.89	67.44
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	809.89	67.44
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,036.61	84.31
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,098.33	101.17
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,201.33	101.17
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	1,606.64	143.32
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	1,666.64	143.32
32 94 43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	1,716.64	143.32
32 94 43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	1,756.64	143.32
32 94 43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame	1,786.64	143.32
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	1,969.23	168.61
32 94 43 00-0016		Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0017	EA	30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	441.17	50.58
32 94 43 00-0018	EA	36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	526.17	50.58
32 94 43 00-0019	EA	48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	788.61	84.31
32 94 43 00-0020	EA	48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	918.61	84.31
32 94 43 00-0021	EA	48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,038.61	84.31
32 94 43 00-0022	EA	48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,148.61	84.31
32 94 43 00-0023	EA	48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,248.61	84.31
32 94 43 00-0024	EA	48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,338.61	84.31
32 94 43 00-0025	EA	60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,316.07	118.03
32 94 43 00-0026	EA	60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,406.07	118.03
32 94 43 00-0027	EA	60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,486.07	118.03
32 94 43 00-0028	EA	60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	1,556.07	118.03
32 94 43 00-0029	EA	60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	1,616.07	118.03
32 94 43 00-0030	EA	60" x 60", >600 LB Cast Iron Tree Grate With Frame	1,666.07	118.03
32 94 43 00-0031	EA	72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,606.64	143.32
32 94 43 00-0032	EA	72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	1,666.64	143.32
32 94 43 00-0033	EA	72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	1,716.64	143.32
32 94 43 00-0034	EA	72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	1,756.64	143.32
32 94 43 00-0035	EA	72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	1,786.64	143.32
32 94 43 00-0036	EA	72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	1,806.64	143.32
32 94 43 00-0037	EA	72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	1,816.64	143.32
32 94 43 00-0038	EA	72" x 72", >850 LB Cast Iron Tree Grate With Frame	1,826.64	143.32
32 94 43 00-0039		Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0040	EA	36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	809.89	67.44
32 94 43 00-0041	EA	36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	824.89	67.44
32 94 43 00-0042	EA	36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	1,009.61	84.31
32 94 43 00-0043	EA	48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,176.61	84.31
32 94 43 00-0044	EA	48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,248.61	84.31
32 94 43 00-0045	EA	60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	1,696.64	143.32
32 94 49		**Plant And Tree Accessories** *(32 94)*		
32 94 49 00-0001		Tree Guying *(32 94 49)*		
32 94 49 00-0002		Tree Guying, Stakes *(32 94 49 00-0001)* Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	18.85	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	33.38	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	57.40	
32 94 49 00-0006		Tree Guying, Anchors *(32 94 49 00-0001)* Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	79.47	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	107.23	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	137.44	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	177.41	
32 94 49 00-0011		Tree Wrap *(32 94 49)*		
32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.03	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.27	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.23	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	24.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	7.88	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	7.40	

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	5.12

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	7.49
32 94 49 00-0023	EA	18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	10.29
32 94 49 00-0024	EA	24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	12.08
32 94 49 00-0025	EA	36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	21.96
32 94 49 00-0026	EA	48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	30.08

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	49.85
		For >25 To 50, Deduct	*-4.99*
		For >50, Deduct	*-7.48*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	68.37
		For >25 To 50, Deduct	*-6.84*
		For >50, Deduct	*-10.26*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	85.46
		For >25 To 50, Deduct	*-8.55*
		For >50, Deduct	*-12.82*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	111.30
		For >25 To 50, Deduct	*-11.13*
		For >50, Deduct	*-16.70*

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	217.76
		For >5 To 10, Deduct	*-10.89*
		For >10 To 20, Deduct	*-21.78*
		For >20, Deduct	*-32.66*
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	298.64
		For >5 To 10, Deduct	*-14.93*
		For >10 To 20, Deduct	*-29.86*
		For >20, Deduct	*-44.80*
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	483.91
		For >5 To 10, Deduct	*-24.20*
		For >10 To 20, Deduct	*-48.39*
		For >20, Deduct	*-72.59*
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	804.03
		For >5 To 10, Deduct	*-40.20*
		For >10 To 20, Deduct	*-80.40*
		For >20, Deduct	*-120.60*
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,306.55
		For >5 To 10, Deduct	*-65.33*
		For >10 To 20, Deduct	*-130.66*
		For >20, Deduct	*-195.98*
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	1,685.88
		For >5 To 10, Deduct	*-84.29*
		For >10 To 20, Deduct	*-168.59*
		For >20, Deduct	*-252.88*
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	2,177.59
		For >5 To 10, Deduct	*-108.88*
		For >10 To 20, Deduct	*-217.76*
		For >20, Deduct	*-326.64*
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	2,613.10
		For >5 To 10, Deduct	*-130.66*
		For >10 To 20, Deduct	*-261.31*
		For >20, Deduct	*-391.97*
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	2,969.43
		For >5 To 10, Deduct	*-148.47*
		For >10 To 20, Deduct	*-296.94*
		For >20, Deduct	*-445.41*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

33 01 Operation And Maintenance Of Utilities *(33)*

33 01 10 Operation And Maintenance Of Water Utilities *(33 01)*

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*
Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	766.61
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	383.31
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.29
		For >250 To 500, Deduct	*-0.01*
		For >500 To 1,000, Deduct	*-0.03*
		For >1,000 To 2,000, Deduct	*-0.04*
		For >2,000 To 5,000, Deduct	*-0.06*
		For >5,000, Deduct	*-0.07*
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.44
		For >250 To 500, Deduct	*-0.02*
		For >500 To 1,000, Deduct	*-0.04*
		For >1,000 To 2,000, Deduct	*-0.07*
		For >2,000 To 5,000, Deduct	*-0.09*
		For >5,000, Deduct	*-0.11*
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.57
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.06*
		For >1,000 To 2,000, Deduct	*-0.09*
		For >2,000 To 5,000, Deduct	*-0.11*
		For >5,000, Deduct	*-0.14*
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.67
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.07*
		For >1,000 To 2,000, Deduct	*-0.10*
		For >2,000 To 5,000, Deduct	*-0.13*
		For >5,000, Deduct	*-0.17*
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.89
		For >250 To 500, Deduct	*-0.04*
		For >500 To 1,000, Deduct	*-0.09*
		For >1,000 To 2,000, Deduct	*-0.13*
		For >2,000 To 5,000, Deduct	*-0.18*
		For >5,000, Deduct	*-0.22*
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.00
		For >250 To 500, Deduct	*-0.05*
		For >500 To 1,000, Deduct	*-0.10*
		For >1,000 To 2,000, Deduct	*-0.15*
		For >2,000 To 5,000, Deduct	*-0.20*
		For >5,000, Deduct	*-0.25*
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.15
		For >250 To 500, Deduct	*-0.06*
		For >500 To 1,000, Deduct	*-0.12*
		For >1,000 To 2,000, Deduct	*-0.17*
		For >2,000 To 5,000, Deduct	*-0.23*
		For >5,000, Deduct	*-0.29*
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.35
		For >250 To 500, Deduct	*-0.07*
		For >500 To 1,000, Deduct	*-0.14*
		For >1,000 To 2,000, Deduct	*-0.20*
		For >2,000 To 5,000, Deduct	*-0.27*
		For >5,000, Deduct	*-0.34*
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.74
		For >250 To 500, Deduct	*-0.09*
		For >500 To 1,000, Deduct	*-0.17*
		For >1,000 To 2,000, Deduct	*-0.26*
		For >2,000 To 5,000, Deduct	*-0.35*
		For >5,000, Deduct	*-0.44*
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.56
		For >250 To 500, Deduct	*-0.13*
		For >500 To 1,000, Deduct	*-0.26*
		For >1,000 To 2,000, Deduct	*-0.38*
		For >2,000 To 5,000, Deduct	*-0.51*
		For >5,000, Deduct	*-0.64*
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	3.54
		For >250 To 500, Deduct	*-0.18*
		For >500 To 1,000, Deduct	*-0.35*
		For >1,000 To 2,000, Deduct	*-0.53*
		For >2,000 To 5,000, Deduct	*-0.71*
		For >5,000, Deduct	*-0.89*

33 01 30 Operation And Maintenance Of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	650.04	
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	1,300.07	
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	1,950.10	
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	325.02	
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	650.04	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	1.65	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.58*	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.20	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.77*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.74	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000 To 5,000, Deduct	*-0.69*	
		For >5,000, Deduct	*-0.96*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.66	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 5,000, Deduct	*-0.92*	
		For >5,000, Deduct	*-1.28*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.15	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.80*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	6.86	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 5,000, Deduct	*-1.72*	
		For >5,000, Deduct	*-2.40*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	9.69	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 5,000, Deduct	*-2.42*	
		For >5,000, Deduct	*-3.39*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	13.73	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 5,000, Deduct	*-3.43*	
		For >5,000, Deduct	*-4.81*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.44	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.85*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.25	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.14*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.07	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.42*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.41	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-1.89*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	7.62	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 5,000, Deduct	*-1.91*	
		For >5,000, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	10.16	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 5,000, Deduct	*-2.54*	
		For >5,000, Deduct	*-3.56*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	14.34	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 5,000, Deduct	*-3.59*	
		For >5,000, Deduct	*-5.02*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	20.32	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 5,000, Deduct	*-5.08*	
		For >5,000, Deduct	*-7.11*	
33 01 30 11-0026		Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase	1.74	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.61*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.32	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.81*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.91	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.02*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase	3.87	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.35*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase	5.44	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-1.90*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase	7.25	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000 To 5,000, Deduct	*-1.81*	
		For >5,000, Deduct	*-2.54*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase	10.25	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 5,000, Deduct	*-2.56*	
		For >5,000, Deduct	*-3.59*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase	14.51	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 5,000, Deduct	*-3.63*	
		For >5,000, Deduct	*-5.08*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*
Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*
Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Jet Cleaning	2,056.82
33 01 30 41-0005	EA	Move And Reset Up At Different Access/Location For Jet Cleaning	514.20

33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0007	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.76	
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 2,000, Deduct	*-0.41*	
		For >2,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.69*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0008	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.17	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.79*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.38*	
33 01 30 41-0009	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.73	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-0.93*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.80*	
33 01 30 41-0010	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.61	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.69*	
		For >2,000 To 5,000, Deduct	*-0.92*	
		For >5,000, Deduct	*-1.15*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.46*	
33 01 30 41-0011	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.23	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,000, Deduct	*-0.78*	
		For >2,000 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-1.31*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.92*	
33 01 30 41-0012	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.03	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000 To 2,000, Deduct	*-0.90*	
		For >2,000 To 5,000, Deduct	*-1.21*	
		For >5,000, Deduct	*-1.51*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.52*	
33 01 30 41-0013	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.26	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000 To 2,000, Deduct	*-1.09*	
		For >2,000 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-1.82*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.45*	
33 01 30 41-0014	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.24	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.24*	
		For >2,000 To 5,000, Deduct	*-1.65*	
		For >5,000, Deduct	*-2.06*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.18*	
33 01 30 41-0015	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.74	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.46*	
		For >2,000 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.44*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.31*	
33 01 30 41-0016	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.24	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-1.84*	
		For >2,000 To 5,000, Deduct	*-2.45*	
		For >5,000, Deduct	*-3.06*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*9.18*	
33 01 30 41-0017	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.29	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 2,000, Deduct	*-2.14*	
		For >2,000 To 5,000, Deduct	*-2.86*	
		For >5,000, Deduct	*-3.57*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.72*	

33 01 30 41-0018 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0019	LF	12" To 16" Diameter Pipe Line Flushing	1.09	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.27*	
33 01 30 41-0020	LF	>16" To 24" Diameter Pipe Line Flushing	1.26	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0021	LF	>24" To 30" Diameter Pipe Line Flushing	1.47	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.37*	
33 01 30 41-0022	LF	>30" To 42" Diameter Pipe Line Flushing	1.71	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.43*	
33 01 30 41-0023	LF	>42" To 60" Diameter Pipe Line Flushing	2.27	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.34*	
		For >2,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.57*	

33 01 30 41-0024 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0025	LF	Jet Cleaning Of Culvert, 0-250 LF	12.79	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000 To 2,000, Deduct	*-1.92*	
		For >2,000 To 5,000, Deduct	*-2.56*	
		For >5,000, Deduct	*-3.20*	

33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0027	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	919.93	
33 01 30 41-0028	EA	Move And Reset Up At Different Access/Location	306.64	
33 01 30 41-0029	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.26	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 2,000, Deduct	*-0.77*	
		For >2,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.28*	
33 01 30 41-0030	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	6.89	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-1.65*	
33 01 30 41-0031	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	8.06	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-1.15*	
		For >2,000 To 5,000, Deduct	*-1.53*	
		For >5,000, Deduct	*-1.92*	
33 01 30 41-0032	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	9.30	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000 To 2,000, Deduct	*-1.33*	
		For >2,000 To 5,000, Deduct	*-1.77*	
		For >5,000, Deduct	*-2.21*	
33 01 30 41-0033	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	10.13	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000 To 2,000, Deduct	*-1.44*	
		For >2,000 To 5,000, Deduct	*-1.92*	
		For >5,000, Deduct	*-2.40*	
33 01 30 41-0034	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	11.64	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000 To 5,000, Deduct	*-2.19*	
		For >5,000, Deduct	*-2.74*	
33 01 30 41-0035	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	14.61	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.03*	
		For >2,000 To 5,000, Deduct	*-2.71*	
		For >5,000, Deduct	*-3.38*	
33 01 30 41-0036	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	16.62	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000 To 5,000, Deduct	*-3.02*	
		For >5,000, Deduct	*-3.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0037	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	19.29	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000 To 2,000, Deduct	*-2.60*	
		For >2,000 To 5,000, Deduct	*-3.47*	
		For >5,000, Deduct	*-4.34*	
33 01 30 41-0038	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	25.31	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000 To 2,000, Deduct	*-3.45*	
		For >2,000 To 5,000, Deduct	*-4.60*	
		For >5,000, Deduct	*-5.75*	
33 01 30 41-0039	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	28.64	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000 To 5,000, Deduct	*-5.11*	
		For >5,000, Deduct	*-6.39*	

33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0041	EA	Initial Set Up And Final Equipment Removal For Auguring	919.93	
33 01 30 41-0042	EA	Move And Reset Up At Different Location	306.64	
33 01 30 41-0043	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	3.07	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 2,000, Deduct	*-0.46*	
		For >2,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.77*	
33 01 30 41-0044	LF	6" Diameter Pipe Line Auguring/Rod Out	3.97	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 2,000, Deduct	*-0.60*	
		For >2,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-0.99*	
33 01 30 41-0045	LF	8" Diameter Pipe Line Auguring/Rod Out	4.60	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.69*	
		For >2,000 To 5,000, Deduct	*-0.92*	
		For >5,000, Deduct	*-1.15*	
33 01 30 41-0046	LF	10" Diameter Pipe Line Auguring/Rod Out	5.35	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.34*	
33 01 30 41-0047	LF	12" Diameter Pipe Line Auguring/Rod Out	5.75	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.86*	
		For >2,000 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-1.44*	
33 01 30 41-0048	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	6.58	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-1.65*	
33 01 30 41-0049	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	8.07	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.02*	
33 01 30 41-0050	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	9.02	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.35*	
		For >2,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.26*	
33 01 30 41-0051	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	10.45	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-2.61*	
33 01 30 41-0052	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	14.38	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.16*	
		For >2,000 To 5,000, Deduct	*-2.88*	
		For >5,000, Deduct	*-3.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0053	LF	>60" Diameter Pipe Line Auguring/Rod Out	15.33	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000 To 5,000, Deduct	*-3.07*	
		For >5,000, Deduct	*-3.83*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Sewer Catch Basin	81.06
33 01 30 42-0004	EA	Clean Out Debris From Entrance To Inlet Structure	202.64
33 01 30 42-0005	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	680.40
		For >10 To 100, Deduct	*-102.06*
		For >100 To 250, Deduct	*-153.09*
		For >250, Deduct	*-204.12*
33 01 30 42-0006	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	816.47
		For >10 To 100, Deduct	*-122.47*
		For >100 To 250, Deduct	*-183.71*
		For >250, Deduct	*-244.94*
33 01 30 42-0007	EA	Clean Out Blocked Catch Basin By Hand	408.24
		For >10 To 100, Deduct	*-61.24*
		For >100 To 250, Deduct	*-91.85*
		For >250, Deduct	*-122.47*
33 01 30 42-0008	EA	Up To 6" Diameter Pipe, Rod Out Blockage	16.21
33 01 30 42-0009	EA	8" Diameter Pipe, Rod Out Blockage	17.84
33 01 30 42-0010	EA	10" Diameter Pipe, Rod Out Blockage	20.26
33 01 30 42-0011	EA	12" Diameter Pipe, Rod Out Blockage	23.51
33 01 30 42-0012	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	27.56
33 01 30 42-0013	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	32.42
33 01 30 42-0014	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	38.10
33 01 30 42-0015	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	43.77
33 01 30 42-0016	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	51.07
33 01 30 42-0017	EA	>60" Diameter Pipe, Rod Out Blockage	60.79

33 01 30 42-0018 Cleaning Manholes And Drainage Structures *(33 01 30 42-0001)*

Note: Includes removal of debris. Excludes disposal.

33 01 30 42-0019	VLF	Waterblast Cleaning For 3' To 4' Diameter Manhole	85.70
33 01 30 42-0020	VLF	Waterblast Cleaning For 5' To 6' Diameter Manhole	107.12
33 01 30 42-0021	EA	Vacuum Out 1 To 2 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	1,096.87
33 01 30 42-0022	EA	Vacuum Out 3 To 10 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	822.66
33 01 30 42-0023	EA	Vacuum Out 11 To 25 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	548.44
33 01 30 42-0024	EA	Vacuum Out 26 To 100 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	479.89
33 01 30 42-0025	EA	Vacuum Out 101 To 250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	445.61
33 01 30 42-0026	EA	Vacuum Out >250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	411.32
33 01 30 42-0027	EA	Pump Out Blocked Manhole, 3' To 4' Diameter Includes Pump Equipment	324.24
33 01 30 42-0028	EA	Pump Out Blocked Manhole, 5' To 6' Diameter Includes Pump Equipment	486.36

33 01 30 51 Maintenance Of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	111.77
		For Stainless Steel Nuts And Bolts, Add	*18.76*
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	159.53
		For Stainless Steel Nuts And Bolts, Add	*28.27*
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	184.60
		For Stainless Steel Nuts And Bolts, Add	*33.30*
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	210.47
		For Stainless Steel Nuts And Bolts, Add	*38.31*
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	120.62
		For Stainless Steel Nuts And Bolts, Add	*20.38*
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	169.62
		For Stainless Steel Nuts And Bolts, Add	*30.17*
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	194.62
		For Stainless Steel Nuts And Bolts, Add	*35.08*
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	225.13
		For Stainless Steel Nuts And Bolts, Add	*41.05*
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	129.86
		For Stainless Steel Nuts And Bolts, Add	*22.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	176.51	
		For Stainless Steel Nuts And Bolts, Add	*31.55*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	204.27	
		For Stainless Steel Nuts And Bolts, Add	*36.99*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.50	
		For Stainless Steel Nuts And Bolts, Add	*43.91*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	146.41	
		For Stainless Steel Nuts And Bolts, Add	*25.34*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.65	
		For Stainless Steel Nuts And Bolts, Add	*34.12*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	234.91	
		For Stainless Steel Nuts And Bolts, Add	*41.53*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	283.02	
		For Stainless Steel Nuts And Bolts, Add	*50.10*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	370.80	
		For Stainless Steel Nuts And Bolts, Add	*67.29*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	461.65	
		For Stainless Steel Nuts And Bolts, Add	*84.48*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	563.44	
		For Stainless Steel Nuts And Bolts, Add	*103.63*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	172.15	
		For Stainless Steel Nuts And Bolts, Add	*29.91*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	229.04	
		For Stainless Steel Nuts And Bolts, Add	*40.57*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	271.18	
		For Stainless Steel Nuts And Bolts, Add	*47.84*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	317.52	
		For Stainless Steel Nuts And Bolts, Add	*55.59*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	441.20	
		For Stainless Steel Nuts And Bolts, Add	*80.56*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	536.59	
		For Stainless Steel Nuts And Bolts, Add	*98.23*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	640.93	
		For Stainless Steel Nuts And Bolts, Add	*117.39*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	222.95	
		For Stainless Steel Nuts And Bolts, Add	*35.78*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	290.08	
		For Stainless Steel Nuts And Bolts, Add	*47.35*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	350.19	
		For Stainless Steel Nuts And Bolts, Add	*57.30*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	418.14	
		For Stainless Steel Nuts And Bolts, Add	*68.28*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	556.95	
		For Stainless Steel Nuts And Bolts, Add	*94.59*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	666.12	
		For Stainless Steel Nuts And Bolts, Add	*113.10*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	788.53	
		For Stainless Steel Nuts And Bolts, Add	*133.12*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	261.78	
		For Stainless Steel Nuts And Bolts, Add	*43.55*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	352.44	
		For Stainless Steel Nuts And Bolts, Add	*60.24*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	414.88	
		For Stainless Steel Nuts And Bolts, Add	*70.43*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	509.31	
		For Stainless Steel Nuts And Bolts, Add	*87.11*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	670.40	
		For Stainless Steel Nuts And Bolts, Add	*118.16*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	762.01	
		For Stainless Steel Nuts And Bolts, Add	*132.06*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	982.42	
		For Stainless Steel Nuts And Bolts, Add	*174.23*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	297.80	
		For Stainless Steel Nuts And Bolts, Add	*49.12*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	389.33	
		For Stainless Steel Nuts And Bolts, Add	*65.33*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	470.05	
		For Stainless Steel Nuts And Bolts, Add	*79.05*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	578.71	
		For Stainless Steel Nuts And Bolts, Add	*98.23*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	746.06	
		For Stainless Steel Nuts And Bolts, Add	*129.75*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	876.93	
		For Stainless Steel Nuts And Bolts, Add	*151.52*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,116.14	
		For Stainless Steel Nuts And Bolts, Add	*196.47*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	670.41	
		For Stainless Steel Nuts And Bolts, Add	*188.99*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	951.79	
		For Stainless Steel Nuts And Bolts, Add	*272.83*	
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,282.38	
		For Stainless Steel Nuts And Bolts, Add	*370.00*	
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,892.46	
		For Stainless Steel Nuts And Bolts, Add	*557.66*	
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	703.66	
		For Stainless Steel Nuts And Bolts, Add	*198.29*	
33 01 30 51-0056	EA	15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	996.32	
		For Stainless Steel Nuts And Bolts, Add	*285.48*	
33 01 30 51-0057	EA	15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,339.03	
		For Stainless Steel Nuts And Bolts, Add	*385.97*	
33 01 30 51-0058	EA	15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,983.75	
		For Stainless Steel Nuts And Bolts, Add	*584.27*	
33 01 30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	721.33	
		For Stainless Steel Nuts And Bolts, Add	*202.30*	
33 01 30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,019.58	
		For Stainless Steel Nuts And Bolts, Add	*290.82*	
33 01 30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,373.75	
		For Stainless Steel Nuts And Bolts, Add	*394.62*	
33 01 30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,033.56	
		For Stainless Steel Nuts And Bolts, Add	*596.91*	
33 01 30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	739.82	
		For Stainless Steel Nuts And Bolts, Add	*206.29*	
33 01 30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,046.05	
		For Stainless Steel Nuts And Bolts, Add	*296.80*	
33 01 30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,407.07	
		For Stainless Steel Nuts And Bolts, Add	*401.94*	
33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,083.13	
		For Stainless Steel Nuts And Bolts, Add	*608.90*	
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	756.37	
		For Stainless Steel Nuts And Bolts, Add	*209.62*	
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,068.56	
		For Stainless Steel Nuts And Bolts, Add	*301.45*	
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,440.37	
		For Stainless Steel Nuts And Bolts, Add	*409.25*	
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,127.67	
		For Stainless Steel Nuts And Bolts, Add	*618.87*	
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	772.05	
		For Stainless Steel Nuts And Bolts, Add	*212.96*	
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,091.80	
		For Stainless Steel Nuts And Bolts, Add	*306.78*	
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,470.06	
		For Stainless Steel Nuts And Bolts, Add	*415.91*	
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,155.79	
		For Stainless Steel Nuts And Bolts, Add	*623.86*	
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	790.13	
		For Stainless Steel Nuts And Bolts, Add	*217.10*	
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,119.37	
		For Stainless Steel Nuts And Bolts, Add	*313.43*	
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,501.68	
		For Stainless Steel Nuts And Bolts, Add	*423.23*	
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,220.33	
		For Stainless Steel Nuts And Bolts, Add	*641.50*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0080		Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)* Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081		Copper Compression Repair Couplings *(33 01 30 51-0080)*		
33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	40.37	
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	47.38	
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	55.58	
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	62.82	
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	91.62	
33 01 30 51-0087		Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*		
33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	46.19	
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	56.41	
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	104.85	
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	48.62	
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	43.02	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	50.30	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	60.71	
33 01 30 51-0095		Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*		
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	80.88	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	70.03	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	82.76	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	72.44	
33 01 30 51-0100		Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	39.22	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	33.77	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	39.91	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	50.47	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	57.01	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	63.44	
33 01 30 51-0107		Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	44.82	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	49.72	
33 01 30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression *(33 01 30 51-0079)* Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) *(33 01 30 51-0110)* Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	45.13	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	46.41	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	52.44	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	58.53	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	72.41	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	87.97	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	46.28	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	47.68	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	52.63	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	59.12	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	74.35	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	88.83	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	85.95	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	100.54	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	105.13	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	118.91	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	144.58	
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0110)* Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	50.25	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	53.69	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	60.64	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	62.76	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	116.79	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	75.71	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	76.01	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	139.52	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	127.72	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	99.64	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	99.33	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	80.78	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	84.71	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	109.15	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	137.32	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	55.15	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	57.79	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	67.54	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	95.23	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	105.12	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	55.31	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	50.14	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	56.71	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	71.62	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	91.77	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	56.97	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	53.25	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	68.28	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	82.66	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	115.38	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Street Tee (Compression)	62.64	
33 01 30 51-0163	EA	1" Street Tee (Compression)	73.66	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	75.58	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	88.23	
33 01 30 51-0166	EA	2" Street Tee (Compression)	129.60	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	74.98	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	78.00	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	97.68	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	111.30	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	111.90	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	96.40	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	126.66	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	141.79	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	108.05	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	109.60	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	118.18	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	142.72	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	190.38	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	81.63	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	138.42	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	146.94	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	159.59	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	178.12	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	175.69	
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	55.01	
33 01 30 51-0188	EA	1" Male Adapter (Compression)	61.56	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	79.34	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	90.39	
33 01 30 51-0191	EA	2" Male Adapter (Compression)	102.59	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	78.95	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Line Caps (Compression)	29.36	
33 01 30 51-0195	EA	1" Line Caps (Compression)	34.19	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	39.10	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	46.25	
33 01 30 51-0198	EA	2" Line Caps (Compression)	56.97	
33 01 30 51-0199		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	38.30	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	48.61	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	57.55	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	70.92	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	87.53	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	104.79	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	100.50	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	135.86	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	138.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	141.06	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	162.43	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	166.84	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	172.37	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	204.84	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	206.58	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	212.92	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	224.21	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	228.92	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	234.94	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	262.26	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	269.23	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	274.95	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	312.52	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	345.41	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	354.71	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	424.43	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	483.53	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	563.23	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	617.10	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	665.76	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	801.53	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	846.30	

33 01 30 51-0232 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	39.05	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	48.51	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	57.50	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	70.58	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	97.45	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	96.08	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	96.77	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	141.06	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	143.66	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	146.26	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	169.51	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	164.93	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	167.34	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	213.96	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	215.24	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	274.21	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	227.00	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	233.77	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	236.38	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	277.39	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	279.96	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	284.10	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	318.76	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	351.91	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	361.21	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	430.79	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	490.03	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	572.98	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	630.10	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	678.76	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	814.53	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	859.30	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	43.67	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	53.21	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	63.02	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	77.75	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	97.45	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	109.06	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	112.92	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	141.06	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	143.66	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	146.26	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	169.51	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	178.78	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	182.31	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	213.96	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	215.24	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	230.12	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	227.00	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	233.77	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	236.38	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	277.39	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	279.96	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	284.10	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	318.76	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	351.91	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	361.21	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	430.79	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	490.03	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	563.23	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	630.10	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	678.76	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	814.53	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	859.30	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	69.52	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	77.93	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	86.84	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	124.94	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	132.06	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	135.68	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	166.12	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	165.30	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	191.78	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	195.31	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	255.60	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	260.28	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	277.87	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	280.98	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	299.69	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	346.21	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	365.18	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	383.49	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	383.43	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	471.93	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	486.22	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	555.32	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	673.61	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	674.30	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	745.71	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	806.08	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	872.30	

33 01 30 51-0326 Temporary Bypass And Service Lines *(33 01 30 51-0001)*

Note: Laid on ground, includes fittings and connections. Remove after use.

33 01 30 51-0327 Temporary Water Service Lines *(33 01 30 51-0326)*

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

33 01 30 51-0328	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	2.25	
33 01 30 51-0329	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	2.86	
33 01 30 51-0330	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	3.32	
33 01 30 51-0331	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.94	
33 01 30 51-0332	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	4.84	
33 01 30 51-0333	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	252.69	

33 01 30 51-0334 Temporary Bypass Water Main Lines *(33 01 30 51-0326)*

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

33 01 30 51-0335	LF	2" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	5.07	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.17*	
33 01 30 51-0336	LF	4" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	6.56	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.51*	
33 01 30 51-0337	LF	6" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	8.13	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-1.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0338	LF	8" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	10.33	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 5,000, Deduct	*-1.26*	
		For >5,000, Deduct	*-2.11*	
33 01 30 51-0339		**Piping Protection For Temporary Water Line** *(33 01 30 51-0326)*		
33 01 30 51-0340	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	2.27	
33 01 30 51-0341		**Drill Meter Cover For Temporary Water Line** *(33 01 30 51-0326)*		
33 01 30 51-0342	EA	Drill Meter Cover For Temporary Bypass Pipe	12.77	
33 01 30 51-0343		**Temporary Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0344		**Gravity Bladder Pipe Plugging** *(33 01 30 51-0343)* Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0345	EA	3/4" Bladder Type Pipe Plug	60.14	
33 01 30 51-0346	EA	1" Bladder Type Pipe Plug	64.42	
33 01 30 51-0347	EA	1-1/4" Bladder Type Pipe Plug	69.94	
33 01 30 51-0348	EA	1-1/2" Bladder Type Pipe Plug	74.96	
33 01 30 51-0349	EA	2" Bladder Type Pipe Plug	79.74	
33 01 30 51-0350	EA	2-1/2" Bladder Type Pipe Plug	85.23	
33 01 30 51-0351	EA	3" Bladder Type Pipe Plug	92.57	
33 01 30 51-0352	EA	4" Bladder Type Pipe Plug	101.99	
33 01 30 51-0353	EA	5" Bladder Type Pipe Plug	110.41	
33 01 30 51-0354	EA	6" Bladder Type Pipe Plug	123.00	
33 01 30 51-0355	EA	8" Bladder Type Pipe Plug	136.68	
33 01 30 51-0356	EA	10" Bladder Type Pipe Plug	158.32	
33 01 30 51-0357	EA	12" Bladder Type Pipe Plug	188.27	
33 01 30 51-0358	EA	14" Bladder Type Pipe Plug	223.50	
33 01 30 51-0359	EA	16" Bladder Type Pipe Plug	269.02	
33 01 30 51-0360	EA	18" Bladder Type Pipe Plug	323.70	
33 01 30 51-0361	EA	20" Bladder Type Pipe Plug	387.67	
33 01 30 51-0362	EA	24" Bladder Type Pipe Plug	448.54	
33 01 30 51-0363		**Hydra Stop, Hot Tapping Of Pressure Pipe** *(33 01 30 51-0343)* Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0364	EA	2" Hydra Stop, Line Stopper	1,625.19	
33 01 30 51-0365	EA	2-1/2" Hydra Stop, Line Stopper	2,038.34	
33 01 30 51-0366	EA	3" Hydra Stop, Line Stopper	2,492.65	
33 01 30 51-0367	EA	4" Hydra Stop, Line Stopper	3,044.60	
33 01 30 51-0368	EA	5" Hydra Stop, Line Stopper	3,479.95	
33 01 30 51-0369	EA	6" Hydra Stop, Line Stopper	4,213.46	
33 01 30 51-0370	EA	8" Hydra Stop, Line Stopper	4,648.82	
33 01 30 51-0371	EA	10" Hydra Stop, Line Stopper	5,382.31	
33 01 30 51-0372	EA	12" Hydra Stop, Line Stopper	6,115.84	
33 01 30 51-0373	EA	14" Hydra Stop, Line Stopper	6,883.63	
33 01 30 51-0374	EA	16" Hydra Stop, Line Stopper	7,857.24	
33 01 30 51-0375	EA	18" Hydra Stop, Line Stopper	8,933.72	
33 01 30 51-0376	EA	20" Hydra Stop, Line Stopper	10,490.26	
33 01 30 51-0377		**Aluminum Expansion Plugs** *(33 01 30 51-0343)* Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0378	EA	3" Pipe Plug	44.49	
33 01 30 51-0379	EA	4" Pipe Plug	62.49	
33 01 30 51-0380	EA	5" Pipe Plug	70.25	
33 01 30 51-0381	EA	6" Pipe Plug	104.64	
33 01 30 51-0382	EA	8" Pipe Plug	107.74	
33 01 30 51-0383	EA	10" Pipe Plug	133.79	
33 01 30 51-0384	EA	12" Pipe Plug	179.15	
33 01 30 51-0385	EA	14" Pipe Plug	285.79	
33 01 30 51-0386	EA	15" Pipe Plug	309.20	
33 01 30 51-0387		**Pipe Repair Clamp, Stainless Steel, 3" Long** *(33 01 30 51-0001)*		
33 01 30 51-0388	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	120.17	
33 01 30 51-0389	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	120.35	
33 01 30 51-0390	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	120.79	
33 01 30 51-0391	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	121.23	
33 01 30 51-0392	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	121.45	
33 01 30 51-0393	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	122.11	
33 01 30 51-0394	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	122.77	
33 01 30 51-0395	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	123.65	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0396	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	220.94	
33 01 30 51-0397	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	223.80	
33 01 30 51-0398	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	225.79	
33 01 30 51-0399	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	246.74	
33 01 30 51-0400	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	249.39	
33 01 30 51-0401	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	251.16	
33 01 30 51-0402	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	253.80	
33 01 30 51-0403	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	256.45	
33 01 30 51-0404	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	259.98	
33 01 30 51-0405	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	266.15	

33 01 30 61 Sewer and Pipe Joint Sealing *(33 01 30)*

33 01 30 61-0001 Joint Air Test *(33 01 30 61)*

33 01 30 61-0002	EA	4" To 8", Joint Air Test	75.17	
33 01 30 61-0003	EA	10" To 15", Joint Air Test	87.70	
33 01 30 61-0004	EA	>15" To 21", Joint Air Test	100.23	
33 01 30 61-0005	EA	>21" To 24", Joint Air Test	125.28	
33 01 30 61-0006	EA	>24" To 27", Joint Air Test	150.34	
33 01 30 61-0007	EA	>27" To 36", Joint Air Test	175.39	

33 01 30 61-0008 Joint Seal And Joint Air Retest *(33 01 30 61)*

Note: Includes grout.

33 01 30 61-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	218.94	
33 01 30 61-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	244.00	
33 01 30 61-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	287.55	
33 01 30 61-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	321.85	
33 01 30 61-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	356.16	
33 01 30 61-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	420.14	
33 01 30 61-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	484.12	
33 01 30 61-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	548.11	
33 01 30 61-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	637.14	
33 01 30 61-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	726.17	
33 01 30 61-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	840.27	
33 01 30 61-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	968.23	
33 01 30 61-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	118.72	

33 01 30 78 Rehabilitation Of Sewer Utilities *(33 01 30)*

33 01 30 78-0001 Cementitious Pipe Coatings By Hand *(33 01 30 78)*

Note: To be used on repair areas to install the coating on the exposed portion of the pipe.

33 01 30 78-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	6.21	
33 01 30 78-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	9.07	

33 01 30 79 Relining Pipelines *(33 01 30)*

33 01 30 79-0001 Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines	3,860.17	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,544.07	

33 01 30 79-0005 Lining Pipe With Resin Impregnated Cured In-Place Pipe *(33 01 30 79-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.

33 01 30 79-0006 Relining Underground Pipelines Set-Up And Reinsertion For CIPP *(33 01 30 79-0005)*

33 01 30 79-0007	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines CIPP	3,860.17	
33 01 30 79-0008	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines CIPP	1,544.07	
33 01 30 79-0009	EA	Mixing Truck And Refrigeration For 12" To 24" CIPP Note: Need to mix wet material in bag prior to installation.	3,930.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	EA	Mixing Truck And Refrigeration For 27" To 48" CIPP Note: Need to mix wet material in bag prior to installation.	8,360.17	
33 01 30 79-0011	EA	Mixing Truck And Refrigeration For 54" To 72" CIPP Note: Need to mix wet material in bag prior to installation.	15,755.30	
33 01 30 79-0012		6mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0013	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	50.03	
33 01 30 79-0014		7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0015	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	53.38	
33 01 30 79-0016	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	63.34	
33 01 30 79-0017	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	74.51	
33 01 30 79-0018		9mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0019	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	56.58	
33 01 30 79-0020	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	66.81	
33 01 30 79-0021	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	78.62	
33 01 30 79-0022	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	95.14	
33 01 30 79-0023	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	103.47	
33 01 30 79-0024		10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0025	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	70.73	
33 01 30 79-0026	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	83.22	
33 01 30 79-0027	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	98.08	
33 01 30 79-0028	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	109.17	
33 01 30 79-0029	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	121.81	
33 01 30 79-0030	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	136.37	
33 01 30 79-0031	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	158.93	
33 01 30 79-0032		12mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0033	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	76.61	
33 01 30 79-0034	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	90.28	
33 01 30 79-0035	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.43	
33 01 30 79-0036	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	116.11	
33 01 30 79-0037	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.82	
33 01 30 79-0038	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.07	
33 01 30 79-0039	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	167.95	
33 01 30 79-0040	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	196.70	
33 01 30 79-0041	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.63	
33 01 30 79-0042		13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0043	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	81.11	
33 01 30 79-0044	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	94.69	
33 01 30 79-0045	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	108.60	
33 01 30 79-0046	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.57	
33 01 30 79-0047	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	137.62	
33 01 30 79-0048	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	153.38	
33 01 30 79-0049	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	178.25	
33 01 30 79-0050	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	203.80	
33 01 30 79-0051	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.86	
33 01 30 79-0052		15mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0053	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	84.86	
33 01 30 79-0054	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	100.32	
33 01 30 79-0055	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	114.42	
33 01 30 79-0056	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.67	
33 01 30 79-0057	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.12	
33 01 30 79-0058	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	157.95	
33 01 30 79-0059	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	187.58	
33 01 30 79-0060	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	215.41	
33 01 30 79-0061	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.01	
33 01 30 79-0062		16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0063	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	105.28	
33 01 30 79-0064	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	120.23	
33 01 30 79-0065	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	136.54	
33 01 30 79-0066	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	152.61	
33 01 30 79-0067	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	181.28	
33 01 30 79-0068	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	195.47	
33 01 30 79-0069	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	226.98	
33 01 30 79-0070	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	266.17	
33 01 30 79-0071	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	308.24	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0072		**18mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0073	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	111.99	
33 01 30 79-0074	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	127.79	
33 01 30 79-0075	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	144.74	
33 01 30 79-0076	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	162.41	
33 01 30 79-0077	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	181.70	
33 01 30 79-0078	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	211.34	
33 01 30 79-0079	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.83	
33 01 30 79-0080	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	283.36	
33 01 30 79-0081	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	327.85	
33 01 30 79-0082	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	383.22	
33 01 30 79-0083	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	456.18	
33 01 30 79-0084	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	543.19	
33 01 30 79-0085		**19.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0086	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	116.88	
33 01 30 79-0087	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	132.38	
33 01 30 79-0088	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.82	
33 01 30 79-0089	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	169.86	
33 01 30 79-0090	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	189.53	
33 01 30 79-0091	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	221.62	
33 01 30 79-0092	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.33	
33 01 30 79-0093	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	301.01	
33 01 30 79-0094	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	342.75	
33 01 30 79-0095	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	401.08	
33 01 30 79-0096	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	475.83	
33 01 30 79-0097	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	564.63	
33 01 30 79-0098		**21mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0099	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	121.06	
33 01 30 79-0100	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	136.77	
33 01 30 79-0101	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	160.69	
33 01 30 79-0102	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.82	
33 01 30 79-0103	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.59	
33 01 30 79-0104	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	234.77	
33 01 30 79-0105	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	268.31	
33 01 30 79-0106	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	314.07	
33 01 30 79-0107	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	362.77	
33 01 30 79-0108	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	421.48	
33 01 30 79-0109	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	500.02	
33 01 30 79-0110	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	593.30	
33 01 30 79-0111		**22.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0112	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	124.18	
33 01 30 79-0113	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	142.19	
33 01 30 79-0114	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	167.02	
33 01 30 79-0115	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	187.19	
33 01 30 79-0116	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	208.96	
33 01 30 79-0117	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	244.67	
33 01 30 79-0118	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	279.82	
33 01 30 79-0119	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	327.04	
33 01 30 79-0120	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	377.60	
33 01 30 79-0121	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	437.82	
33 01 30 79-0122	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	517.99	
33 01 30 79-0123	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	612.91	
33 01 30 79-0124		**24mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0125	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	130.79	
33 01 30 79-0126	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	149.55	
33 01 30 79-0127	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	175.96	
33 01 30 79-0128	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	197.20	
33 01 30 79-0129	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	219.32	
33 01 30 79-0130	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	258.08	
33 01 30 79-0131	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	294.88	
33 01 30 79-0132	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	344.82	
33 01 30 79-0133	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	403.11	
33 01 30 79-0134	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	464.29	
33 01 30 79-0135	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	548.93	
33 01 30 79-0136	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	649.05	
33 01 30 79-0137		**25.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0138	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	154.84	
33 01 30 79-0139	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	182.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0140	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	199.36	
33 01 30 79-0141	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.26	
33 01 30 79-0142	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	268.07	
33 01 30 79-0143	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	306.40	
33 01 30 79-0144	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.78	
33 01 30 79-0145	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	411.01	
33 01 30 79-0146	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	476.78	
33 01 30 79-0147	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	562.67	
33 01 30 79-0148	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	664.03	
33 01 30 79-0149		**27mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0150	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	162.46	
33 01 30 79-0151	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	191.40	
33 01 30 79-0152	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	207.25	
33 01 30 79-0153	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.50	
33 01 30 79-0154	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	279.85	
33 01 30 79-0155	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	332.27	
33 01 30 79-0156	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	375.52	
33 01 30 79-0157	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	432.88	
33 01 30 79-0158	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	501.28	
33 01 30 79-0159	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	591.51	
33 01 30 79-0160	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	698.02	
33 01 30 79-0161		**28.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0162	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	197.77	
33 01 30 79-0163	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	215.23	
33 01 30 79-0164	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	213.00	
33 01 30 79-0165	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	291.43	
33 01 30 79-0166	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	337.34	
33 01 30 79-0167	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	388.37	
33 01 30 79-0168	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	447.56	
33 01 30 79-0169	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	517.46	
33 01 30 79-0170	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	609.32	
33 01 30 79-0171	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.44	
33 01 30 79-0172		**30mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0173	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	202.94	
33 01 30 79-0174	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	223.94	
33 01 30 79-0175	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	258.96	
33 01 30 79-0176	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	304.88	
33 01 30 79-0177	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	348.40	
33 01 30 79-0178	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	406.26	
33 01 30 79-0179	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	468.16	
33 01 30 79-0180	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	541.36	
33 01 30 79-0181	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	637.64	
33 01 30 79-0182	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	750.95	
33 01 30 79-0183		**31.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0184	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	205.45	
33 01 30 79-0185	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	230.77	
33 01 30 79-0186	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	257.51	
33 01 30 79-0187	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.51	
33 01 30 79-0188	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.70	
33 01 30 79-0189	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	419.27	
33 01 30 79-0190	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	482.80	
33 01 30 79-0191	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	557.63	
33 01 30 79-0192	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	655.53	
33 01 30 79-0193	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	770.46	
33 01 30 79-0194		**33mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0195	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	214.59	
33 01 30 79-0196	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.64	
33 01 30 79-0197	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	268.55	
33 01 30 79-0198	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	328.44	
33 01 30 79-0199	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	375.40	
33 01 30 79-0200	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	437.39	
33 01 30 79-0201	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	503.58	
33 01 30 79-0202	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	581.88	
33 01 30 79-0203	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	684.32	
33 01 30 79-0204	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	804.64	
33 01 30 79-0205		**34.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 79-0005)*		
33 01 30 79-0206	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	247.41	
33 01 30 79-0207	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	276.10	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0208	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	331.89	
33 01 30 79-0209	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	386.44	
33 01 30 79-0210	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.44	
33 01 30 79-0211	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	518.11	
33 01 30 79-0212	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	596.86	
33 01 30 79-0213	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	700.79	
33 01 30 79-0214	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	822.60	
33 01 30 79-0215		36mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0216	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	257.36	
33 01 30 79-0217	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	287.24	
33 01 30 79-0218	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	339.06	
33 01 30 79-0219	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	402.28	
33 01 30 79-0220	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	468.35	
33 01 30 79-0221	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	539.17	
33 01 30 79-0222	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	622.43	
33 01 30 79-0223	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	731.12	
33 01 30 79-0224	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	858.61	
33 01 30 79-0225		37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0226	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	294.92	
33 01 30 79-0227	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	348.21	
33 01 30 79-0228	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	413.24	
33 01 30 79-0229	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	481.24	
33 01 30 79-0230	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	551.69	
33 01 30 79-0231	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	637.45	
33 01 30 79-0232	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	747.64	
33 01 30 79-0233	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	876.63	
33 01 30 79-0234		39mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0235	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	361.76	
33 01 30 79-0236	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	429.32	
33 01 30 79-0237	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	499.69	
33 01 30 79-0238	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	574.98	
33 01 30 79-0239	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	663.44	
33 01 30 79-0240	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	778.55	
33 01 30 79-0241	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	913.41	
33 01 30 79-0242		40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0243	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	430.37	
33 01 30 79-0244	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	512.24	
33 01 30 79-0245	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	589.38	
33 01 30 79-0246	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	679.28	
33 01 30 79-0247	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	795.99	
33 01 30 79-0248	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	932.42	
33 01 30 79-0249		42mm Thick Lining Cured In-Place Pipe *(33 01 30 79-0005)*		
33 01 30 79-0250	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	530.93	
33 01 30 79-0251	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	610.95	
33 01 30 79-0252	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	704.53	
33 01 30 79-0253	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	826.20	
33 01 30 79-0254	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	968.58	
33 01 30 79-0255		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0256	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	21.20	
		For DR 26 Pipe Liner, Add	*3.23*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000 To 2,000, Deduct	*-1.24*	
		For >2,000, Deduct	*-2.48*	
33 01 30 79-0257	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	26.47	
		For DR 26 Pipe Liner, Add	*4.39*	
		For DR 35 Pipe Liner, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.34*	
		For >2,000, Deduct	*-2.67*	
33 01 30 79-0258	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	27.53	
		For DR 26 Pipe Liner, Add	*4.47*	
		For DR 35 Pipe Liner, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.45*	
		For >2,000, Deduct	*-2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0259	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.36	
		For DR 26 Pipe Liner, Add	*6.71*	
		For DR 35 Pipe Liner, Deduct	*-3.35*	
		For DR 41 Pipe Liner, Deduct	*-6.71*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.58*	
		For >2,000, Deduct	*-3.16*	
33 01 30 79-0260	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.84	
		For DR 26 Pipe Liner, Add	*9.82*	
		For DR 35 Pipe Liner, Deduct	*-4.91*	
		For DR 41 Pipe Liner, Deduct	*-9.82*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000, Deduct	*-3.47*	
33 01 30 79-0261	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	68.44	
		For DR 35 Pipe Liner, Deduct	*-6.91*	
		For DR 41 Pipe Liner, Deduct	*-13.82*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.97*	
		For >2,000, Deduct	*-3.95*	
33 01 30 79-0262	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	95.00	
		For DR 41 Pipe Liner, Deduct	*-8.02*	
		For DR 50 Pipe Liner, Deduct	*-16.03*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.23*	
		For >2,000, Deduct	*-4.46*	
33 01 30 79-0263	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	107.12	
		For DR 50 Pipe Liner, Deduct	*-13.66*	
		For DR 55 Pipe Liner, Deduct	*-22.76*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-2.41*	
		For >2,000, Deduct	*-4.82*	
33 01 30 79-0264	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	129.72	
		For DR 60 Pipe Liner, Deduct	*-16.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000 To 2,000, Deduct	*-2.63*	
		For >2,000, Deduct	*-5.26*	

33 01 30 79-0265 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0266	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	22.41	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000 To 2,000, Deduct	*-1.24*	
		For >2,000, Deduct	*-2.48*	
		For DR 26 Pipe Liner, Add	*3.54*	
33 01 30 79-0267	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	26.47	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.34*	
		For >2,000, Deduct	*-2.67*	
		For DR 26 Pipe Liner, Add	*4.39*	
		For DR 35 Pipe Liner, Deduct	*-2.20*	
33 01 30 79-0268	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	29.16	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.45*	
		For >2,000, Deduct	*-2.90*	
		For DR 26 Pipe Liner, Add	*4.88*	
		For DR 35 Pipe Liner, Deduct	*-2.44*	
33 01 30 79-0269	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	39.79	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.58*	
		For >2,000, Deduct	*-3.16*	
		For DR 26 Pipe Liner, Add	*7.32*	
		For DR 35 Pipe Liner, Deduct	*-3.66*	
		For DR 41 Pipe Liner, Deduct	*-7.32*	
33 01 30 79-0270	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	54.50	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000, Deduct	*-3.47*	
		For DR 26 Pipe Liner, Add	*10.73*	
		For DR 35 Pipe Liner, Deduct	*-5.37*	
		For DR 41 Pipe Liner, Deduct	*-10.73*	
33 01 30 79-0271	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	73.64	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.97*	
		For >2,000, Deduct	*-3.95*	
		For DR 35 Pipe Liner, Deduct	*-7.56*	
		For DR 41 Pipe Liner, Deduct	*-15.12*	
33 01 30 79-0272	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	102.64	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.23*	
		For >2,000, Deduct	*-4.46*	
		For DR 41 Pipe Liner, Deduct	*-8.78*	
		For DR 50 Pipe Liner, Deduct	*-17.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0273	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	115.58	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-2.41*	
		For >2,000, Deduct	*-4.82*	
		For DR 50 Pipe Liner, Deduct	*-14.93*	
		For DR 55 Pipe Liner, Deduct	*-24.88*	
33 01 30 79-0274	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	140.45	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000 To 2,000, Deduct	*-2.63*	
		For >2,000, Deduct	*-5.26*	
		For DR 60 Pipe Liner, Deduct	*-18.44*	

33 01 30 79-0275 Pumped Grouting For Slip-Lining Systems *(33 01 30 79-0001)*

Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.

33 01 30 79-0276	CY	Flowable Fill Grout, For Pipe Relines	399.89	

33 01 30 79-0277 Solid Wall High Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 30 79-0001)*

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0018 for culvert cleaning, 33 01 30 79-0275 for flowable fill grout.

33 01 30 79-0278	LF	6.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	14.88	
		For Profile Wall (Corrugated), Deduct	*-2.19*	
33 01 30 79-0279	LF	8.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	20.02	
		For Profile Wall (Corrugated), Deduct	*-3.02*	
33 01 30 79-0280	LF	10.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	24.04	
		For Profile Wall (Corrugated), Deduct	*-3.66*	
33 01 30 79-0281	LF	12.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	32.72	
		For Profile Wall (Corrugated), Deduct	*-5.16*	
33 01 30 79-0282	LF	14" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	39.64	
		For Profile Wall (Corrugated), Deduct	*-6.21*	
33 01 30 79-0283	LF	16" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	49.72	
		For Profile Wall (Corrugated), Deduct	*-8.11*	
33 01 30 79-0284	LF	18" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	62.77	
		For Profile Wall (Corrugated), Deduct	*-10.27*	
33 01 30 79-0285	LF	20" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	65.13	
		For Profile Wall (Corrugated), Deduct	*-10.41*	
33 01 30 79-0286	LF	22" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	77.66	
		For Profile Wall (Corrugated), Deduct	*-12.59*	
33 01 30 79-0287	LF	24" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	85.49	
		For Profile Wall (Corrugated), Deduct	*-13.83*	
33 01 30 79-0288	LF	26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	99.75	
		For Profile Wall (Corrugated), Deduct	*-16.36*	
33 01 30 79-0289	LF	28" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	114.06	
		For Profile Wall (Corrugated), Deduct	*-18.89*	
33 01 30 79-0290	LF	30" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	129.30	
		For Profile Wall (Corrugated), Deduct	*-21.61*	
33 01 30 79-0291	LF	32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	145.81	
		For Profile Wall (Corrugated), Deduct	*-24.59*	
33 01 30 79-0292	LF	34" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	163.77	
		For Profile Wall (Corrugated), Deduct	*-27.85*	
33 01 30 79-0293	LF	36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	181.75	
		For Profile Wall (Corrugated), Deduct	*-31.12*	
33 01 30 79-0294	LF	39.37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	211.46	
		For Profile Wall (Corrugated), Deduct	*-36.74*	
33 01 30 79-0295	LF	42" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner Dr 32.5	241.20	
		For Profile Wall (Corrugated), Deduct	*-42.36*	
33 01 30 79-0296	LF	48" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	307.67	
		For Profile Wall (Corrugated), Deduct	*-55.33*	
33 01 30 79-0297	LF	54" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	382.76	
		For Profile Wall (Corrugated), Deduct	*-70.02*	
33 01 30 79-0298	LF	57" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	445.90	
		For Profile Wall (Corrugated), Deduct	*-82.32*	
33 01 30 79-0299	LF	60" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	515.78	
		For Profile Wall (Corrugated), Deduct	*-95.97*	
33 01 30 79-0300	LF	63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	553.40	
		For Profile Wall (Corrugated), Deduct	*-103.17*	
33 01 30 79-0301	LF	66" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	646.91	
		For Profile Wall (Corrugated), Deduct	*-121.38*	
33 01 30 79-0302	LF	72" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	755.19	
		For Profile Wall (Corrugated), Deduct	*-142.38*	
33 01 30 79-0303	LF	78" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	952.47	
		For Profile Wall (Corrugated), Deduct	*-181.02*	
33 01 30 79-0304	LF	84" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,180.43	
		For Profile Wall (Corrugated), Deduct	*-225.96*	
33 01 30 79-0305	LF	90" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,443.05	
		For Profile Wall (Corrugated), Deduct	*-277.83*	
33 01 30 79-0306	LF	96" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,744.28	
		For Profile Wall (Corrugated), Deduct	*-337.26*	
33 01 30 79-0307	LF	16" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 14" x 23" Elliptical Culvert	49.72	
		For Profile Wall (Corrugated), Deduct	*-8.11*	
33 01 30 79-0308	LF	18" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 16" x 27" Elliptical Culvert	62.77	
		For Profile Wall (Corrugated), Deduct	*-10.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0309	LF	22" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 19" x 30" Elliptical Culvert	77.66	
		For Profile Wall (Corrugated), Deduct	*-12.59*	
33 01 30 79-0310	LF	26" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 22" x 34" Elliptical Culvert	99.75	
		For Profile Wall (Corrugated), Deduct	*-16.36*	
33 01 30 79-0311	LF	28" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 24" x 38" Elliptical Culvert	114.06	
		For Profile Wall (Corrugated), Deduct	*-18.89*	
33 01 30 79-0312	LF	30" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 27" x 42" Elliptical Culvert	129.30	
		For Profile Wall (Corrugated), Deduct	*-21.61*	
33 01 30 79-0313	LF	32" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 29" x 45" Elliptical Culvert	145.81	
		For Profile Wall (Corrugated), Deduct	*-24.59*	
33 01 30 79-0314	LF	36" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 34" x 53" Elliptical Culvert	181.75	
		For Profile Wall (Corrugated), Deduct	*-31.12*	
33 01 30 79-0315	LF	42" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 38" x 60" Elliptical Culvert	241.20	
		For Profile Wall (Corrugated), Deduct	*-42.36*	
33 01 30 79-0316	LF	48" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 43" x 68" Elliptical Culvert	307.67	
		For Profile Wall (Corrugated), Deduct	*-55.33*	
33 01 30 79-0317	LF	54" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 48" x 76" Elliptical Culvert	382.76	
		For Profile Wall (Corrugated), Deduct	*-70.02*	
33 01 30 79-0318	LF	57" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 63" x 83" Elliptical Culvert	382.76	
		For Profile Wall (Corrugated), Deduct	*-70.02*	
33 01 30 79-0319	LF	63" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 63" x 83" Elliptical Culvert	553.40	
		For Profile Wall (Corrugated), Deduct	*-103.17*	
33 01 30 79-0320	LF	66" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 58" x 91" Elliptical Culvert	553.40	
		For Profile Wall (Corrugated), Deduct	*-103.17*	

33 01 30 79-0321 Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 79-0001)*

Note: Two part structural polyurethane.

33 01 30 79-0322 Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 79-0321)*

33 01 30 79-0323	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,416.31	

33 01 30 79-0324 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 79-0321)*

Note: Two part structural polyurethane.

33 01 30 79-0325	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	35.43	
		For Up To 75, Add	*7.85*	
		For >75 To 150, Add	*3.54*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-3.04*	
		For >5,000, Deduct	*-4.31*	
33 01 30 79-0326	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	41.34	
		For Up To 75, Add	*9.16*	
		For >75 To 150, Add	*4.13*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-3.55*	
		For >5,000, Deduct	*-5.03*	
33 01 30 79-0327	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	47.24	
		For Up To 75, Add	*10.47*	
		For >75 To 150, Add	*4.72*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.60*	
		For >2,000 To 5,000, Deduct	*-4.06*	
		For >5,000, Deduct	*-5.74*	
33 01 30 79-0328	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	53.13	
		For Up To 75, Add	*11.77*	
		For >75 To 150, Add	*5.31*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000 To 2,000, Deduct	*-2.93*	
		For >2,000 To 5,000, Deduct	*-4.56*	
		For >5,000, Deduct	*-6.46*	
33 01 30 79-0329	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	59.04	
		For Up To 75, Add	*13.08*	
		For >75 To 150, Add	*5.90*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-3.25*	
		For >2,000 To 5,000, Deduct	*-5.07*	
		For >5,000, Deduct	*-7.18*	
33 01 30 79-0330	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	64.94	
		For Up To 75, Add	*14.39*	
		For >75 To 150, Add	*6.49*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000 To 2,000, Deduct	*-3.58*	
		For >2,000 To 5,000, Deduct	*-5.58*	
		For >5,000, Deduct	*-7.89*	
33 01 30 79-0331	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	70.85	
		For Up To 75, Add	*15.70*	
		For >75 To 150, Add	*7.09*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 2,000, Deduct	*-3.90*	
		For >2,000 To 5,000, Deduct	*-6.08*	
		For >5,000, Deduct	*-8.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0332	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	76.75	
		For Up To 75, Add	*17.01*	
		For >75 To 150, Add	*7.68*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000 To 2,000, Deduct	*-4.23*	
		For >2,000 To 5,000, Deduct	*-6.59*	
		For >5,000, Deduct	*-9.33*	
33 01 30 79-0333	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	82.66	
		For Up To 75, Add	*18.31*	
		For >75 To 150, Add	*8.27*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000 To 2,000, Deduct	*-4.55*	
		For >2,000 To 5,000, Deduct	*-7.10*	
		For >5,000, Deduct	*-10.05*	
33 01 30 79-0334	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	88.56	
		For Up To 75, Add	*19.62*	
		For >75 To 150, Add	*8.86*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-4.88*	
		For >2,000 To 5,000, Deduct	*-7.61*	
		For >5,000, Deduct	*-10.77*	
33 01 30 79-0335	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	94.47	
		For Up To 75, Add	*20.93*	
		For >75 To 150, Add	*9.45*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000 To 2,000, Deduct	*-5.20*	
		For >2,000 To 5,000, Deduct	*-8.11*	
		For >5,000, Deduct	*-11.48*	
33 01 30 79-0336	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	100.38	
		For Up To 75, Add	*22.24*	
		For >75 To 150, Add	*10.04*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000 To 2,000, Deduct	*-5.53*	
		For >2,000 To 5,000, Deduct	*-8.62*	
		For >5,000, Deduct	*-12.20*	
33 01 30 79-0337	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	106.27	
		For Up To 75, Add	*23.55*	
		For >75 To 150, Add	*10.63*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000 To 2,000, Deduct	*-5.85*	
		For >2,000 To 5,000, Deduct	*-9.13*	
		For >5,000, Deduct	*-12.92*	
33 01 30 79-0338	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.18	
		For Up To 75, Add	*24.86*	
		For >75 To 150, Add	*11.22*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000 To 2,000, Deduct	*-6.18*	
		For >2,000 To 5,000, Deduct	*-9.63*	
		For >5,000, Deduct	*-13.64*	
33 01 30 79-0339	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	118.09	
		For Up To 75, Add	*26.16*	
		For >75 To 150, Add	*11.81*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,000, Deduct	*-6.51*	
		For >2,000 To 5,000, Deduct	*-10.14*	
		For >5,000, Deduct	*-14.36*	
33 01 30 79-0340	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	3.76	

33 01 30 79-0341 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 79-0321)*

Note: Two part structural polyurethane.

33 01 30 79-0342	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	46.32	
		For Up To 75, Add	*10.07*	
		For >75 To 150, Add	*4.63*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.42*	
		For >2,000 To 5,000, Deduct	*-3.74*	
		For >5,000, Deduct	*-5.44*	
33 01 30 79-0343	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	54.04	
		For Up To 75, Add	*11.75*	
		For >75 To 150, Add	*5.40*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,000, Deduct	*-2.82*	
		For >2,000 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-6.34*	
33 01 30 79-0344	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	61.76	
		For Up To 75, Add	*13.42*	
		For >75 To 150, Add	*6.18*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 2,000, Deduct	*-3.22*	
		For >2,000 To 5,000, Deduct	*-4.99*	
		For >5,000, Deduct	*-7.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0345	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	69.48	
		For Up To 75, Add	*15.10*	
		For >75 To 150, Add	*6.95*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000 To 2,000, Deduct	*-3.62*	
		For >2,000 To 5,000, Deduct	*-5.62*	
		For >5,000, Deduct	*-8.15*	
33 01 30 79-0346	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	77.20	
		For Up To 75, Add	*16.78*	
		For >75 To 150, Add	*7.72*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.03*	
		For >2,000 To 5,000, Deduct	*-6.24*	
		For >5,000, Deduct	*-9.06*	
33 01 30 79-0347	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	84.92	
		For Up To 75, Add	*18.46*	
		For >75 To 150, Add	*8.49*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000 To 2,000, Deduct	*-4.43*	
		For >2,000 To 5,000, Deduct	*-6.86*	
		For >5,000, Deduct	*-9.97*	
33 01 30 79-0348	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	92.64	
		For Up To 75, Add	*20.14*	
		For >75 To 150, Add	*9.26*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000 To 2,000, Deduct	*-4.83*	
		For >2,000 To 5,000, Deduct	*-7.49*	
		For >5,000, Deduct	*-10.87*	
33 01 30 79-0349	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	100.36	
		For Up To 75, Add	*21.81*	
		For >75 To 150, Add	*10.04*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000 To 2,000, Deduct	*-5.23*	
		For >2,000 To 5,000, Deduct	*-8.11*	
		For >5,000, Deduct	*-11.78*	
33 01 30 79-0350	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	108.08	
		For Up To 75, Add	*23.49*	
		For >75 To 150, Add	*10.81*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000 To 2,000, Deduct	*-5.64*	
		For >2,000 To 5,000, Deduct	*-8.74*	
		For >5,000, Deduct	*-12.68*	
33 01 30 79-0351	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	115.80	
		For Up To 75, Add	*25.17*	
		For >75 To 150, Add	*11.58*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000 To 2,000, Deduct	*-6.04*	
		For >2,000 To 5,000, Deduct	*-9.36*	
		For >5,000, Deduct	*-13.59*	
33 01 30 79-0352	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.52	
		For Up To 75, Add	*26.85*	
		For >75 To 150, Add	*12.35*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000 To 2,000, Deduct	*-6.44*	
		For >2,000 To 5,000, Deduct	*-9.98*	
		For >5,000, Deduct	*-14.50*	
33 01 30 79-0353	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	131.24	
		For Up To 75, Add	*28.53*	
		For >75 To 150, Add	*13.12*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000 To 2,000, Deduct	*-6.84*	
		For >2,000 To 5,000, Deduct	*-10.61*	
		For >5,000, Deduct	*-15.40*	
33 01 30 79-0354	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	138.96	
		For Up To 75, Add	*30.20*	
		For >75 To 150, Add	*13.90*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000 To 2,000, Deduct	*-7.25*	
		For >2,000 To 5,000, Deduct	*-11.23*	
		For >5,000, Deduct	*-16.31*	
33 01 30 79-0355	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	146.69	
		For Up To 75, Add	*31.88*	
		For >75 To 150, Add	*14.67*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000 To 2,000, Deduct	*-7.65*	
		For >2,000 To 5,000, Deduct	*-11.86*	
		For >5,000, Deduct	*-17.22*	
33 01 30 79-0356	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	154.40	
		For Up To 75, Add	*33.56*	
		For >75 To 150, Add	*15.44*	
		For >500 To 1,000, Deduct	*-4.16*	
		For >1,000 To 2,000, Deduct	*-8.05*	
		For >2,000 To 5,000, Deduct	*-12.48*	
		For >5,000, Deduct	*-18.12*	
33 01 30 79-0357	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	4.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0358		Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 79-0321)*		
		Note: Two part structural polyurethane.		
33 01 30 79-0359	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	57.23	
		For Up To 75, Add	*12.29*	
		For >75 To 150, Add	*5.72*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.88*	
		For >2,000 To 5,000, Deduct	*-4.45*	
		For >5,000, Deduct	*-6.57*	
33 01 30 79-0360	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	66.76	
		For Up To 75, Add	*14.34*	
		For >75 To 150, Add	*6.68*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000 To 2,000, Deduct	*-3.36*	
		For >2,000 To 5,000, Deduct	*-5.19*	
		For >5,000, Deduct	*-7.66*	
33 01 30 79-0361	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	76.30	
		For Up To 75, Add	*16.39*	
		For >75 To 150, Add	*7.63*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000 To 2,000, Deduct	*-3.84*	
		For >2,000 To 5,000, Deduct	*-5.93*	
		For >5,000, Deduct	*-8.76*	
33 01 30 79-0362	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	85.83	
		For Up To 75, Add	*18.44*	
		For >75 To 150, Add	*8.58*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000 To 2,000, Deduct	*-4.32*	
		For >2,000 To 5,000, Deduct	*-6.67*	
		For >5,000, Deduct	*-9.85*	
33 01 30 79-0363	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	95.37	
		For Up To 75, Add	*20.48*	
		For >75 To 150, Add	*9.54*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000 To 2,000, Deduct	*-4.80*	
		For >2,000 To 5,000, Deduct	*-7.41*	
		For >5,000, Deduct	*-10.95*	
33 01 30 79-0364	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.91	
		For Up To 75, Add	*22.53*	
		For >75 To 150, Add	*10.49*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000 To 2,000, Deduct	*-5.28*	
		For >2,000 To 5,000, Deduct	*-8.16*	
		For >5,000, Deduct	*-12.04*	
33 01 30 79-0365	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	114.44	
		For Up To 75, Add	*24.58*	
		For >75 To 150, Add	*11.44*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000 To 2,000, Deduct	*-5.76*	
		For >2,000 To 5,000, Deduct	*-8.90*	
		For >5,000, Deduct	*-13.14*	
33 01 30 79-0366	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	123.99	
		For Up To 75, Add	*26.63*	
		For >75 To 150, Add	*12.40*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000 To 2,000, Deduct	*-6.24*	
		For >2,000 To 5,000, Deduct	*-9.64*	
		For >5,000, Deduct	*-14.23*	
33 01 30 79-0367	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	133.52	
		For Up To 75, Add	*28.68*	
		For >75 To 150, Add	*13.35*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000 To 2,000, Deduct	*-6.72*	
		For >2,000 To 5,000, Deduct	*-10.38*	
		For >5,000, Deduct	*-15.33*	
33 01 30 79-0368	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	143.06	
		For Up To 75, Add	*30.73*	
		For >75 To 150, Add	*14.31*	
		For >500 To 1,000, Deduct	*-3.71*	
		For >1,000 To 2,000, Deduct	*-7.20*	
		For >2,000 To 5,000, Deduct	*-11.12*	
		For >5,000, Deduct	*-16.42*	
33 01 30 79-0369	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	152.61	
		For Up To 75, Add	*32.78*	
		For >75 To 150, Add	*15.26*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.68*	
		For >2,000 To 5,000, Deduct	*-11.87*	
		For >5,000, Deduct	*-17.52*	
33 01 30 79-0370	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	162.13	
		For Up To 75, Add	*34.82*	
		For >75 To 150, Add	*16.21*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000 To 2,000, Deduct	*-8.16*	
		For >2,000 To 5,000, Deduct	*-12.61*	
		For >5,000, Deduct	*-18.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0371	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	171.67	
		For Up To 75, Add	*36.87*	
		For >75 To 150, Add	*17.17*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000 To 2,000, Deduct	*-8.64*	
		For >2,000 To 5,000, Deduct	*-13.35*	
		For >5,000, Deduct	*-19.71*	
33 01 30 79-0372	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	181.20	
		For Up To 75, Add	*38.92*	
		For >75 To 150, Add	*18.12*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000 To 2,000, Deduct	*-9.12*	
		For >2,000 To 5,000, Deduct	*-14.09*	
		For >5,000, Deduct	*-20.80*	
33 01 30 79-0373	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	190.74	
		For Up To 75, Add	*40.97*	
		For >75 To 150, Add	*19.07*	
		For >500 To 1,000, Deduct	*-4.94*	
		For >1,000 To 2,000, Deduct	*-9.60*	
		For >2,000 To 5,000, Deduct	*-14.83*	
		For >5,000, Deduct	*-21.90*	
33 01 30 79-0374	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	6.08	

33 01 30 79-0375 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 79-0321)*

Note: Two part structural polyurethane.

33 01 30 79-0376	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	68.19	
		For Up To 75, Add	*14.53*	
		For >75 To 150, Add	*6.82*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-3.35*	
		For >2,000 To 5,000, Deduct	*-5.16*	
		For >5,000, Deduct	*-7.71*	
33 01 30 79-0377	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	79.56	
		For Up To 75, Add	*16.95*	
		For >75 To 150, Add	*7.96*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000 To 2,000, Deduct	*-3.91*	
		For >2,000 To 5,000, Deduct	*-6.02*	
		For >5,000, Deduct	*-9.00*	
33 01 30 79-0378	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	90.92	
		For Up To 75, Add	*19.37*	
		For >75 To 150, Add	*9.09*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000 To 2,000, Deduct	*-4.47*	
		For >2,000 To 5,000, Deduct	*-6.88*	
		For >5,000, Deduct	*-10.28*	
33 01 30 79-0379	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	102.29	
		For Up To 75, Add	*21.79*	
		For >75 To 150, Add	*10.23*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000 To 2,000, Deduct	*-5.03*	
		For >2,000 To 5,000, Deduct	*-7.74*	
		For >5,000, Deduct	*-11.57*	
33 01 30 79-0380	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	113.65	
		For Up To 75, Add	*24.22*	
		For >75 To 150, Add	*11.37*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000 To 2,000, Deduct	*-5.59*	
		For >2,000 To 5,000, Deduct	*-8.60*	
		For >5,000, Deduct	*-12.85*	
33 01 30 79-0381	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	125.01	
		For Up To 75, Add	*26.64*	
		For >75 To 150, Add	*12.50*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000 To 2,000, Deduct	*-6.14*	
		For >2,000 To 5,000, Deduct	*-9.46*	
		For >5,000, Deduct	*-14.13*	
33 01 30 79-0382	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	136.38	
		For Up To 75, Add	*29.06*	
		For >75 To 150, Add	*13.64*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000 To 2,000, Deduct	*-6.70*	
		For >2,000 To 5,000, Deduct	*-10.32*	
		For >5,000, Deduct	*-15.42*	
33 01 30 79-0383	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	147.75	
		For Up To 75, Add	*31.48*	
		For >75 To 150, Add	*14.78*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000 To 2,000, Deduct	*-7.26*	
		For >2,000 To 5,000, Deduct	*-11.18*	
		For >5,000, Deduct	*-16.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0384	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	159.11	
		For Up To 75, Add	*33.90*	
		For >75 To 150, Add	*15.91*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000 To 2,000, Deduct	*-7.82*	
		For >2,000 To 5,000, Deduct	*-12.04*	
		For >5,000, Deduct	*-17.99*	
33 01 30 79-0385	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	170.48	
		For Up To 75, Add	*36.32*	
		For >75 To 150, Add	*17.05*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000 To 2,000, Deduct	*-8.38*	
		For >2,000 To 5,000, Deduct	*-12.90*	
		For >5,000, Deduct	*-19.28*	
33 01 30 79-0386	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	181.84	
		For Up To 75, Add	*38.74*	
		For >75 To 150, Add	*18.18*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000 To 2,000, Deduct	*-8.94*	
		For >2,000 To 5,000, Deduct	*-13.76*	
		For >5,000, Deduct	*-20.56*	
33 01 30 79-0387	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	193.21	
		For Up To 75, Add	*41.17*	
		For >75 To 150, Add	*19.32*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000 To 2,000, Deduct	*-9.50*	
		For >2,000 To 5,000, Deduct	*-14.62*	
		For >5,000, Deduct	*-21.85*	
33 01 30 79-0388	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	204.57	
		For Up To 75, Add	*43.59*	
		For >75 To 150, Add	*20.46*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000 To 2,000, Deduct	*-10.05*	
		For >2,000 To 5,000, Deduct	*-15.48*	
		For >5,000, Deduct	*-23.13*	
33 01 30 79-0389	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	215.93	
		For Up To 75, Add	*46.01*	
		For >75 To 150, Add	*21.59*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000 To 2,000, Deduct	*-10.61*	
		For >2,000 To 5,000, Deduct	*-16.34*	
		For >5,000, Deduct	*-24.41*	
33 01 30 79-0390	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	227.30	
		For Up To 75, Add	*48.43*	
		For >75 To 150, Add	*22.73*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000 To 2,000, Deduct	*-11.17*	
		For >2,000 To 5,000, Deduct	*-17.20*	
		For >5,000, Deduct	*-25.70*	
33 01 30 79-0391	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	7.23	

33 01 30 79-0392 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 79-0321)*

Note: Two part structural polyurethane.

33 01 30 79-0393	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	79.24	
		For Up To 75, Add	*16.79*	
		For >75 To 150, Add	*7.92*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000 To 5,000, Deduct	*-5.88*	
		For >5,000, Deduct	*-8.86*	
33 01 30 79-0394	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	92.44	
		For Up To 75, Add	*19.58*	
		For >75 To 150, Add	*9.24*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000 To 2,000, Deduct	*-4.46*	
		For >2,000 To 5,000, Deduct	*-6.86*	
		For >5,000, Deduct	*-10.34*	
33 01 30 79-0395	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	105.65	
		For Up To 75, Add	*22.38*	
		For >75 To 150, Add	*10.57*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000 To 2,000, Deduct	*-5.10*	
		For >2,000 To 5,000, Deduct	*-7.84*	
		For >5,000, Deduct	*-11.82*	
33 01 30 79-0396	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	118.86	
		For Up To 75, Add	*25.18*	
		For >75 To 150, Add	*11.89*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,000, Deduct	*-5.74*	
		For >2,000 To 5,000, Deduct	*-8.82*	
		For >5,000, Deduct	*-13.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0397	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	132.06	
		For Up To 75, Add	*27.98*	
		For >75 To 150, Add	*13.21*	
		For >500 To 1,000, Deduct	*-3.27*	
		For >1,000 To 2,000, Deduct	*-6.38*	
		For >2,000 To 5,000, Deduct	*-9.80*	
		For >5,000, Deduct	*-14.77*	
33 01 30 79-0398	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	145.27	
		For Up To 75, Add	*30.77*	
		For >75 To 150, Add	*14.53*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-7.01*	
		For >2,000 To 5,000, Deduct	*-10.78*	
		For >5,000, Deduct	*-16.25*	
33 01 30 79-0399	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	158.47	
		For Up To 75, Add	*33.57*	
		For >75 To 150, Add	*15.85*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000 To 2,000, Deduct	*-7.65*	
		For >2,000 To 5,000, Deduct	*-11.76*	
		For >5,000, Deduct	*-17.72*	
33 01 30 79-0400	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	171.68	
		For Up To 75, Add	*36.37*	
		For >75 To 150, Add	*17.17*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000 To 2,000, Deduct	*-8.29*	
		For >2,000 To 5,000, Deduct	*-12.74*	
		For >5,000, Deduct	*-19.20*	
33 01 30 79-0401	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	184.88	
		For Up To 75, Add	*39.16*	
		For >75 To 150, Add	*18.49*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000 To 2,000, Deduct	*-8.93*	
		For >2,000 To 5,000, Deduct	*-13.72*	
		For >5,000, Deduct	*-20.68*	
33 01 30 79-0402	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	198.10	
		For Up To 75, Add	*41.96*	
		For >75 To 150, Add	*19.81*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000 To 2,000, Deduct	*-9.57*	
		For >2,000 To 5,000, Deduct	*-14.70*	
		For >5,000, Deduct	*-22.15*	
33 01 30 79-0403	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	211.31	
		For Up To 75, Add	*44.76*	
		For >75 To 150, Add	*21.13*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-10.20*	
		For >2,000 To 5,000, Deduct	*-15.68*	
		For >5,000, Deduct	*-23.63*	
33 01 30 79-0404	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	224.51	
		For Up To 75, Add	*47.56*	
		For >75 To 150, Add	*22.45*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000 To 2,000, Deduct	*-10.84*	
		For >2,000 To 5,000, Deduct	*-16.66*	
		For >5,000, Deduct	*-25.11*	
33 01 30 79-0405	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	237.72	
		For Up To 75, Add	*50.36*	
		For >75 To 150, Add	*23.77*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000 To 2,000, Deduct	*-11.48*	
		For >2,000 To 5,000, Deduct	*-17.64*	
		For >5,000, Deduct	*-26.59*	
33 01 30 79-0406	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	250.93	
		For Up To 75, Add	*53.16*	
		For >75 To 150, Add	*25.09*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000 To 2,000, Deduct	*-12.12*	
		For >2,000 To 5,000, Deduct	*-18.62*	
		For >5,000, Deduct	*-28.06*	
33 01 30 79-0407	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	264.14	
		For Up To 75, Add	*55.95*	
		For >75 To 150, Add	*26.41*	
		For >500 To 1,000, Deduct	*-6.53*	
		For >1,000 To 2,000, Deduct	*-12.75*	
		For >2,000 To 5,000, Deduct	*-19.60*	
		For >5,000, Deduct	*-29.54*	
33 01 30 79-0408	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	8.41	

33 01 30 79-0409 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 79-0321)*
Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0410	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	101.44	
		For Up To 75, Add	*21.33*	
		For >75 To 150, Add	*10.14*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000 To 2,000, Deduct	*-4.79*	
		For >2,000 To 5,000, Deduct	*-7.34*	
		For >5,000, Deduct	*-11.19*	
33 01 30 79-0411	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	118.33	
		For Up To 75, Add	*24.88*	
		For >75 To 150, Add	*11.83*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000 To 2,000, Deduct	*-5.58*	
		For >2,000 To 5,000, Deduct	*-8.56*	
		For >5,000, Deduct	*-13.05*	
33 01 30 79-0412	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	135.24	
		For Up To 75, Add	*28.44*	
		For >75 To 150, Add	*13.52*	
		For >500 To 1,000, Deduct	*-3.26*	
		For >1,000 To 2,000, Deduct	*-6.38*	
		For >2,000 To 5,000, Deduct	*-9.78*	
		For >5,000, Deduct	*-14.91*	
33 01 30 79-0413	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	152.15	
		For Up To 75, Add	*31.99*	
		For >75 To 150, Add	*15.22*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000 To 2,000, Deduct	*-7.18*	
		For >2,000 To 5,000, Deduct	*-11.00*	
		For >5,000, Deduct	*-16.78*	
33 01 30 79-0414	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	169.05	
		For Up To 75, Add	*35.55*	
		For >75 To 150, Add	*16.91*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000 To 2,000, Deduct	*-7.98*	
		For >2,000 To 5,000, Deduct	*-12.23*	
		For >5,000, Deduct	*-18.64*	
33 01 30 79-0415	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	185.96	
		For Up To 75, Add	*39.10*	
		For >75 To 150, Add	*18.60*	
		For >500 To 1,000, Deduct	*-4.48*	
		For >1,000 To 2,000, Deduct	*-8.78*	
		For >2,000 To 5,000, Deduct	*-13.45*	
		For >5,000, Deduct	*-20.51*	
33 01 30 79-0416	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	202.86	
		For Up To 75, Add	*42.66*	
		For >75 To 150, Add	*20.29*	
		For >500 To 1,000, Deduct	*-4.89*	
		For >1,000 To 2,000, Deduct	*-9.57*	
		For >2,000 To 5,000, Deduct	*-14.67*	
		For >5,000, Deduct	*-22.37*	
33 01 30 79-0417	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	219.78	
		For Up To 75, Add	*46.21*	
		For >75 To 150, Add	*21.98*	
		For >500 To 1,000, Deduct	*-5.30*	
		For >1,000 To 2,000, Deduct	*-10.37*	
		For >2,000 To 5,000, Deduct	*-15.90*	
		For >5,000, Deduct	*-24.24*	
33 01 30 79-0418	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	236.68	
		For Up To 75, Add	*49.77*	
		For >75 To 150, Add	*23.67*	
		For >500 To 1,000, Deduct	*-5.71*	
		For >1,000 To 2,000, Deduct	*-11.17*	
		For >2,000 To 5,000, Deduct	*-17.12*	
		For >5,000, Deduct	*-26.10*	
33 01 30 79-0419	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	253.59	
		For Up To 75, Add	*53.32*	
		For >75 To 150, Add	*25.36*	
		For >500 To 1,000, Deduct	*-6.11*	
		For >1,000 To 2,000, Deduct	*-11.97*	
		For >2,000 To 5,000, Deduct	*-18.34*	
		For >5,000, Deduct	*-27.96*	
33 01 30 79-0420	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	270.49	
		For Up To 75, Add	*56.88*	
		For >75 To 150, Add	*27.05*	
		For >500 To 1,000, Deduct	*-6.52*	
		For >1,000 To 2,000, Deduct	*-12.76*	
		For >2,000 To 5,000, Deduct	*-19.56*	
		For >5,000, Deduct	*-29.83*	
33 01 30 79-0421	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	287.41	
		For Up To 75, Add	*60.44*	
		For >75 To 150, Add	*28.74*	
		For >500 To 1,000, Deduct	*-6.93*	
		For >1,000 To 2,000, Deduct	*-13.56*	
		For >2,000 To 5,000, Deduct	*-20.79*	
		For >5,000, Deduct	*-31.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0422	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	304.31	
		For Up To 75, Add	*63.99*	
		For >75 To 150, Add	*30.43*	
		For >500 To 1,000, Deduct	*-7.34*	
		For >1,000 To 2,000, Deduct	*-14.36*	
		For >2,000 To 5,000, Deduct	*-22.01*	
		For >5,000, Deduct	*-33.56*	
33 01 30 79-0423	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	321.21	
		For Up To 75, Add	*67.54*	
		For >75 To 150, Add	*32.12*	
		For >500 To 1,000, Deduct	*-7.74*	
		For >1,000 To 2,000, Deduct	*-15.16*	
		For >2,000 To 5,000, Deduct	*-23.23*	
		For >5,000, Deduct	*-35.42*	
33 01 30 79-0424	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	338.11	
		For Up To 75, Add	*71.10*	
		For >75 To 150, Add	*33.81*	
		For >500 To 1,000, Deduct	*-8.15*	
		For >1,000 To 2,000, Deduct	*-15.96*	
		For >2,000 To 5,000, Deduct	*-24.45*	
		For >5,000, Deduct	*-37.28*	
33 01 30 79-0425	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	10.75	

33 01 30 79-0426 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 79-0321)*

Note: Two part structural polyurethane.

33 01 30 79-0427	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	123.90	
		For Up To 75, Add	*25.94*	
		For >75 To 150, Add	*12.39*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,000, Deduct	*-5.77*	
		For >2,000 To 5,000, Deduct	*-8.82*	
		For >5,000, Deduct	*-13.55*	
33 01 30 79-0428	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	144.55	
		For Up To 75, Add	*30.26*	
		For >75 To 150, Add	*14.46*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000 To 2,000, Deduct	*-6.73*	
		For >2,000 To 5,000, Deduct	*-10.29*	
		For >5,000, Deduct	*-15.81*	
33 01 30 79-0429	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	165.20	
		For Up To 75, Add	*34.58*	
		For >75 To 150, Add	*16.52*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000 To 2,000, Deduct	*-7.69*	
		For >2,000 To 5,000, Deduct	*-11.76*	
		For >5,000, Deduct	*-18.06*	
33 01 30 79-0430	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	185.84	
		For Up To 75, Add	*38.90*	
		For >75 To 150, Add	*18.58*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000 To 2,000, Deduct	*-8.65*	
		For >2,000 To 5,000, Deduct	*-13.23*	
		For >5,000, Deduct	*-20.32*	
33 01 30 79-0431	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	206.50	
		For Up To 75, Add	*43.23*	
		For >75 To 150, Add	*20.65*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000 To 2,000, Deduct	*-9.61*	
		For >2,000 To 5,000, Deduct	*-14.71*	
		For >5,000, Deduct	*-22.58*	
33 01 30 79-0432	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	227.14	
		For Up To 75, Add	*47.55*	
		For >75 To 150, Add	*22.71*	
		For >500 To 1,000, Deduct	*-5.39*	
		For >1,000 To 2,000, Deduct	*-10.57*	
		For >2,000 To 5,000, Deduct	*-16.18*	
		For >5,000, Deduct	*-24.84*	
33 01 30 79-0433	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	247.79	
		For Up To 75, Add	*51.87*	
		For >75 To 150, Add	*24.78*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000 To 2,000, Deduct	*-11.53*	
		For >2,000 To 5,000, Deduct	*-17.65*	
		For >5,000, Deduct	*-27.09*	
33 01 30 79-0434	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	268.45	
		For Up To 75, Add	*56.20*	
		For >75 To 150, Add	*26.85*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.49*	
		For >2,000 To 5,000, Deduct	*-19.12*	
		For >5,000, Deduct	*-29.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0435	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	289.09	
		For Up To 75, Add	*60.52*	
		For >75 To 150, Add	*28.91*	
		For >500 To 1,000, Deduct	*-6.86*	
		For >1,000 To 2,000, Deduct	*-13.45*	
		For >2,000 To 5,000, Deduct	*-20.59*	
		For >5,000, Deduct	*-31.61*	
33 01 30 79-0436	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	309.74	
		For Up To 75, Add	*64.84*	
		For >75 To 150, Add	*30.97*	
		For >500 To 1,000, Deduct	*-7.35*	
		For >1,000 To 2,000, Deduct	*-14.42*	
		For >2,000 To 5,000, Deduct	*-22.06*	
		For >5,000, Deduct	*-33.87*	
33 01 30 79-0437	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	330.39	
		For Up To 75, Add	*69.17*	
		For >75 To 150, Add	*33.04*	
		For >500 To 1,000, Deduct	*-7.84*	
		For >1,000 To 2,000, Deduct	*-15.38*	
		For >2,000 To 5,000, Deduct	*-23.53*	
		For >5,000, Deduct	*-36.13*	
33 01 30 79-0438	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	351.04	
		For Up To 75, Add	*73.49*	
		For >75 To 150, Add	*35.10*	
		For >500 To 1,000, Deduct	*-8.33*	
		For >1,000 To 2,000, Deduct	*-16.34*	
		For >2,000 To 5,000, Deduct	*-25.00*	
		For >5,000, Deduct	*-38.38*	
33 01 30 79-0439	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	371.69	
		For Up To 75, Add	*77.81*	
		For >75 To 150, Add	*37.17*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000 To 2,000, Deduct	*-17.30*	
		For >2,000 To 5,000, Deduct	*-26.47*	
		For >5,000, Deduct	*-40.64*	
33 01 30 79-0440	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	392.34	
		For Up To 75, Add	*82.13*	
		For >75 To 150, Add	*39.23*	
		For >500 To 1,000, Deduct	*-9.31*	
		For >1,000 To 2,000, Deduct	*-18.26*	
		For >2,000 To 5,000, Deduct	*-27.94*	
		For >5,000, Deduct	*-42.90*	
33 01 30 79-0441	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	412.99	
		For Up To 75, Add	*86.46*	
		For >75 To 150, Add	*41.30*	
		For >500 To 1,000, Deduct	*-9.80*	
		For >1,000 To 2,000, Deduct	*-19.22*	
		For >2,000 To 5,000, Deduct	*-29.41*	
		For >5,000, Deduct	*-45.16*	
33 01 30 79-0442	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	13.15	

33 01 30 79-0443 Relining Underground Water Pipelines *(33 01 30 79)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

33 01 30 79-0444 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 30 79-0443)*

33 01 30 79-0445	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	3,860.17	
33 01 30 79-0446	EA	Move And Reset Up At Different Access/Location	1,544.07	

33 01 30 79-0447 Lining Pipe With Cement *(33 01 30 79-0443)*

33 01 30 79-0448	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	47.61	
		For 3/16" Thickness, Add	*0.34*	
		For 1/4" Thickness, Add	*0.67*	
33 01 30 79-0449	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	42.31	
		For 3/16" Thickness, Add	*0.34*	
		For 1/4" Thickness, Add	*0.67*	
33 01 30 79-0450	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	35.21	
		For 3/16" Thickness, Add	*0.34*	
		For 1/4" Thickness, Add	*0.67*	
33 01 30 79-0451	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	26.28	
		For 3/16" Thickness, Add	*0.34*	
		For 1/4" Thickness, Add	*0.67*	
33 01 30 79-0452	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	49.15	
		For 3/16" Thickness, Add	*0.50*	
		For 1/4" Thickness, Add	*1.00*	
33 01 30 79-0453	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	43.65	
		For 3/16" Thickness, Add	*0.50*	
		For 1/4" Thickness, Add	*1.00*	
33 01 30 79-0454	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	36.31	
		For 3/16" Thickness, Add	*0.50*	
		For 1/4" Thickness, Add	*1.00*	
33 01 30 79-0455	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	27.26	
		For 3/16" Thickness, Add	*0.50*	
		For 1/4" Thickness, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0456	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	50.63	
		For 3/16" Thickness, Add	*0.67*	
		For 1/4" Thickness, Add	*1.34*	
33 01 30 79-0457	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	45.00	
		For 3/16" Thickness, Add	*0.67*	
		For 1/4" Thickness, Add	*1.34*	
33 01 30 79-0458	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	37.41	
		For 3/16" Thickness, Add	*0.67*	
		For 1/4" Thickness, Add	*1.34*	
33 01 30 79-0459	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	28.25	
		For 3/16" Thickness, Add	*0.67*	
		For 1/4" Thickness, Add	*1.34*	
33 01 30 79-0460	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	51.65	
		For 3/16" Thickness, Add	*0.84*	
		For 1/4" Thickness, Add	*1.67*	
33 01 30 79-0461	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	45.93	
		For 3/16" Thickness, Add	*0.84*	
		For 1/4" Thickness, Add	*1.67*	
33 01 30 79-0462	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	38.23	
		For 3/16" Thickness, Add	*0.84*	
		For 1/4" Thickness, Add	*1.67*	
33 01 30 79-0463	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	29.23	
		For 3/16" Thickness, Add	*0.84*	
		For 1/4" Thickness, Add	*1.67*	
33 01 30 79-0464	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	55.59	
		For 3/16" Thickness, Add	*1.01*	
		For 1/4" Thickness, Add	*2.01*	
33 01 30 79-0465	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	49.52	
		For 3/16" Thickness, Add	*1.01*	
		For 1/4" Thickness, Add	*2.01*	
33 01 30 79-0466	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	41.32	
		For 3/16" Thickness, Add	*1.01*	
		For 1/4" Thickness, Add	*2.01*	
33 01 30 79-0467	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	31.60	
		For 3/16" Thickness, Add	*1.01*	
		For 1/4" Thickness, Add	*2.01*	
33 01 30 79-0468	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	58.55	
		For 1/4" Thickness, Add	*1.12*	
		For 5/16" Thickness, Add	*2.23*	
33 01 30 79-0469	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	52.25	
		For 1/4" Thickness, Add	*1.12*	
		For 5/16" Thickness, Add	*2.23*	
33 01 30 79-0470	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	43.72	
		For 1/4" Thickness, Add	*1.12*	
		For 5/16" Thickness, Add	*2.23*	
33 01 30 79-0471	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	34.40	
		For 1/4" Thickness, Add	*1.12*	
		For 5/16" Thickness, Add	*2.23*	
33 01 30 79-0472	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	60.84	
		For 1/4" Thickness, Add	*1.34*	
		For 5/16" Thickness, Add	*2.67*	
33 01 30 79-0473	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	54.34	
		For 1/4" Thickness, Add	*1.34*	
		For 5/16" Thickness, Add	*2.67*	
33 01 30 79-0474	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	45.51	
		For 1/4" Thickness, Add	*1.34*	
		For 5/16" Thickness, Add	*2.67*	
33 01 30 79-0475	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	36.68	
		For 1/4" Thickness, Add	*1.34*	
		For 5/16" Thickness, Add	*2.67*	
33 01 30 79-0476	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	63.85	
		For 1/4" Thickness, Add	*1.56*	
		For 5/16" Thickness, Add	*3.12*	
33 01 30 79-0477	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	57.13	
		For 1/4" Thickness, Add	*1.56*	
		For 5/16" Thickness, Add	*3.12*	
33 01 30 79-0478	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	47.89	
		For 1/4" Thickness, Add	*1.56*	
		For 5/16" Thickness, Add	*3.12*	
33 01 30 79-0479	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	39.62	
		For 1/4" Thickness, Add	*1.56*	
		For 5/16" Thickness, Add	*3.12*	
33 01 30 79-0480	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	66.96	
		For 1/4" Thickness, Add	*1.78*	
		For 5/16" Thickness, Add	*3.57*	
33 01 30 79-0481	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	59.96	
		For 1/4" Thickness, Add	*1.78*	
		For 5/16" Thickness, Add	*3.57*	
33 01 30 79-0482	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	50.42	
		For 1/4" Thickness, Add	*1.78*	
		For 5/16" Thickness, Add	*3.57*	
33 01 30 79-0483	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	42.72	
		For 1/4" Thickness, Add	*1.78*	
		For 5/16" Thickness, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0484	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	70.65	
		For 1/4" Thickness, Add	*2.23*	
		For 5/16" Thickness, Add	*4.46*	
33 01 30 79-0485	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	63.25	
		For 1/4" Thickness, Add	*2.23*	
		For 5/16" Thickness, Add	*4.46*	
33 01 30 79-0486	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	53.14	
		For 1/4" Thickness, Add	*2.23*	
		For 5/16" Thickness, Add	*4.46*	
33 01 30 79-0487	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	45.36	
		For 1/4" Thickness, Add	*2.23*	
		For 5/16" Thickness, Add	*4.46*	
33 01 30 79-0488	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	74.26	
		For 1/4" Thickness, Add	*2.68*	
		For 5/16" Thickness, Add	*5.35*	
33 01 30 79-0489	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	66.53	
		For 1/4" Thickness, Add	*2.68*	
		For 5/16" Thickness, Add	*5.35*	
33 01 30 79-0490	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	55.85	
		For 1/4" Thickness, Add	*2.68*	
		For 5/16" Thickness, Add	*5.35*	
33 01 30 79-0491	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	47.99	
		For 1/4" Thickness, Add	*2.68*	
		For 5/16" Thickness, Add	*5.35*	
33 01 30 79-0492	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	86.43	
		For 3/8" Thickness, Add	*7.03*	
		For 7/16" Thickness, Add	*10.54*	
33 01 30 79-0493	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	78.02	
		For 3/8" Thickness, Add	*7.03*	
		For 7/16" Thickness, Add	*10.54*	
33 01 30 79-0494	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	66.41	
		For 3/8" Thickness, Add	*7.03*	
		For 7/16" Thickness, Add	*10.54*	
33 01 30 79-0495	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	58.31	
		For 3/8" Thickness, Add	*7.03*	
		For 7/16" Thickness, Add	*10.54*	
33 01 30 79-0496	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	94.51	
		For 3/8" Thickness, Add	*8.03*	
		For 7/16" Thickness, Add	*12.04*	
33 01 30 79-0497	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	85.51	
		For 3/8" Thickness, Add	*8.03*	
		For 7/16" Thickness, Add	*12.04*	
33 01 30 79-0498	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	73.03	
		For 3/8" Thickness, Add	*8.03*	
		For 7/16" Thickness, Add	*12.04*	
33 01 30 79-0499	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	64.77	
		For 3/8" Thickness, Add	*8.03*	
		For 7/16" Thickness, Add	*12.04*	
33 01 30 79-0500	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	97.98	
		For 3/8" Thickness, Add	*9.03*	
		For 7/16" Thickness, Add	*13.55*	
33 01 30 79-0501	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	88.79	
		For 3/8" Thickness, Add	*9.03*	
		For 7/16" Thickness, Add	*13.55*	
33 01 30 79-0502	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	76.02	
		For 3/8" Thickness, Add	*9.03*	
		For 7/16" Thickness, Add	*13.55*	
33 01 30 79-0503	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	68.08	
		For 3/8" Thickness, Add	*9.03*	
		For 7/16" Thickness, Add	*13.55*	
33 01 30 79-0504	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	101.46	
		For 3/8" Thickness, Add	*10.04*	
		For 7/16" Thickness, Add	*15.05*	
33 01 30 79-0505	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	92.09	
		For 3/8" Thickness, Add	*10.04*	
		For 7/16" Thickness, Add	*15.05*	
33 01 30 79-0506	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	79.08	
		For 3/8" Thickness, Add	*10.04*	
		For 7/16" Thickness, Add	*15.05*	
33 01 30 79-0507	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	71.38	
		For 3/8" Thickness, Add	*10.04*	
		For 7/16" Thickness, Add	*15.05*	
33 01 30 79-0508	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	105.17	
		For 3/8" Thickness, Add	*11.04*	
		For 7/16" Thickness, Add	*16.56*	
33 01 30 79-0509	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	95.60	
		For 3/8" Thickness, Add	*11.04*	
		For 7/16" Thickness, Add	*16.56*	
33 01 30 79-0510	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	82.39	
		For 3/8" Thickness, Add	*11.04*	
		For 7/16" Thickness, Add	*16.56*	
33 01 30 79-0511	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	75.25	
		For 3/8" Thickness, Add	*11.04*	
		For 7/16" Thickness, Add	*16.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0512	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	109.20	
		For 3/8" Thickness, Add	*12.04*	
		For 7/16" Thickness, Add	*18.06*	
33 01 30 79-0513	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	99.46	
		For 3/8" Thickness, Add	*12.04*	
		For 7/16" Thickness, Add	*18.06*	
33 01 30 79-0514	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	85.93	
		For 3/8" Thickness, Add	*12.04*	
		For 7/16" Thickness, Add	*18.06*	
33 01 30 79-0515	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	79.20	
		For 3/8" Thickness, Add	*12.04*	
		For 7/16" Thickness, Add	*18.06*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*
Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	141.23
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	8,331.35
33 01 30 81-0005	EA	Installation And Maintenance Of Ventilation System, 60" to 108" diameter to 2,600' Note: For internal inspection and repair of water mains	11,738.28

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*
Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	375.24
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	395.53
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	405.67
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	466.51
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	527.37
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	588.23
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	709.93

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*
Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	547.66
33 01 30 81-0017	EA	30" External Manhole Encapsulation	578.08
33 01 30 81-0018	EA	36" External Manhole Encapsulation	618.65
33 01 30 81-0019	EA	42" External Manhole Encapsulation	669.36
33 01 30 81-0020	EA	48" External Manhole Encapsulation	740.35
33 01 30 81-0021	EA	54" External Manhole Encapsulation	821.48
33 01 30 81-0022	EA	60" External Manhole Encapsulation	922.90

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	41.31
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	55.56
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	39.12
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	52.86

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	11.14
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	27.80

33 01 30 81-0031 Manhole Joint Restoration *(33 01 30 81-0001)*
Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,390.27	
		For Grouting Each Additional Manhole Joint Section, Add		*188.13*
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,622.85	
		For Grouting Each Additional Manhole Joint Section, Add		*206.98*
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	1,853.69	
		For Grouting Each Additional Manhole Joint Section, Add		*225.84*
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,176.58	
		For Grouting Each Additional Manhole Joint Section, Add		*235.27*
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,498.59	
		For Grouting Each Additional Manhole Joint Section, Add		*244.69*

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)* Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 7" x 9" Cast Iron Manhole Steps	83.31	17.35
33 01 30 81-0039	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	88.79	17.35
33 01 30 81-0040	EA	Drill And Grout Galvanized Steel Manhole Step	76.63	17.35
33 01 30 81-0041	EA	Bolt On Galvanized Steel Manhole Step	95.22	17.35
33 01 30 81-0042	EA	Drill And Grout Aluminum Manhole Step	73.57	17.35
33 01 30 81-0043	EA	Drill And Insert Polypropylene Manhole Step	47.62	13.88
33 01 30 81-0044		**Invert Restoration** *(33 01 30 81-0001)* Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0045		**Concrete Invert Restoration** *(33 01 30 81-0044)*		
33 01 30 81-0046	EA	2' Diameter, Concrete Invert Restoration	259.09	
33 01 30 81-0047	EA	3' Diameter, Concrete Invert Restoration	294.40	
33 01 30 81-0048	EA	4' Diameter, Concrete Invert Restoration	329.70	
33 01 30 81-0049	EA	5' Diameter, Concrete Invert Restoration	365.01	
33 01 30 81-0050	EA	6' Diameter, Concrete Invert Restoration	470.93	
33 01 30 81-0051	SF	Square Or Rectangular, Concrete Invert Restoration	26.21	
33 01 30 81-0052		**Brick Invert Restoration** *(33 01 30 81-0044)*		
33 01 30 81-0053	EA	2' Diameter, Brick Invert Restoration	446.57	
33 01 30 81-0054	EA	3' Diameter, Brick Invert Restoration	481.87	
33 01 30 81-0055	EA	4' Diameter, Brick Invert Restoration	517.18	
33 01 30 81-0056	EA	5' Diameter, Brick Invert Restoration	552.49	
33 01 30 81-0057	EA	6' Diameter, Brick Invert Restoration	587.80	
33 01 30 81-0058	SF	Square Or Rectangular, Brick Invert Restoration	37.46	
33 01 30 82		**Lining For Concrete Manholes** *(33 01 30)*		
33 01 30 82-0001		**Manhole Lining** *(33 01 30 82)* Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002		**Cementitious Manhole Restoration, Interior** *(33 01 30 82-0001)*		
33 01 30 82-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	103.92	
		For Each Additional 1/2" Thick Material, Add	*21.89*	
		For 2 To 5 Manholes, Deduct	*-7.43*	
		For 6 To 10 Manholes, Deduct	*-12.27*	
		For >10 Manholes, Deduct	*-24.54*	
33 01 30 82-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	120.47	
		For Each Additional 1/2" Thick Material, Add	*25.46*	
		For 2 To 5 Manholes, Deduct	*-8.62*	
		For 6 To 10 Manholes, Deduct	*-14.22*	
		For >10 Manholes, Deduct	*-28.44*	
33 01 30 82-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	137.01	
		For Each Additional 1/2" Thick Material, Add	*29.04*	
		For 2 To 5 Manholes, Deduct	*-9.80*	
		For 6 To 10 Manholes, Deduct	*-16.17*	
		For >10 Manholes, Deduct	*-32.34*	
33 01 30 82-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	160.76	
		For Each Additional 1/2" Thick Material, Add	*35.33*	
		For 2 To 5 Manholes, Deduct	*-11.46*	
		For 6 To 10 Manholes, Deduct	*-18.89*	
		For >10 Manholes, Deduct	*-37.78*	
33 01 30 82-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	174.87	
		For Each Additional 1/2" Thick Material, Add	*40.49*	
		For 2 To 5 Manholes, Deduct	*-12.40*	
		For 6 To 10 Manholes, Deduct	*-20.42*	
		For >10 Manholes, Deduct	*-40.84*	
33 01 30 82-0008		**Polyurethane Manhole Restoration, Interior** *(33 01 30 82-0001)*		
33 01 30 82-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	223.10	
		For 80 Mil Material, Add	*19.57*	
		For 100 Mil Material, Add	*39.14*	
		For 125 Mil Material, Add	*59.63*	
		For 150 Mil Material, Add	*80.12*	
		For 200 Mil Material, Add	*110.49*	
		For 2 To 5 Manholes, Deduct	*-16.46*	
		For 6 To 10 Manholes, Deduct	*-27.34*	
		For >10 Manholes, Deduct	*-54.68*	
33 01 30 82-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	272.07	
		For 80 Mil Material, Add	*23.72*	
		For 100 Mil Material, Add	*47.43*	
		For 125 Mil Material, Add	*72.22*	
		For 150 Mil Material, Add	*97.01*	
		For 200 Mil Material, Add	*133.61*	
		For 2 To 5 Manholes, Deduct	*-20.08*	
		For 6 To 10 Manholes, Deduct	*-33.37*	
		For >10 Manholes, Deduct	*-66.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	297.47	
		For 80 Mil Material, Add	*26.09*	
		For 100 Mil Material, Add	*52.19*	
		For 125 Mil Material, Add	*79.51*	
		For 150 Mil Material, Add	*106.82*	
		For 200 Mil Material, Add	*147.31*	
		For 2 To 5 Manholes, Deduct	*-21.94*	
		For 6 To 10 Manholes, Deduct	*-36.45*	
		For >10 Manholes, Deduct	*-72.90*	
33 01 30 82-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	371.84	
		For 80 Mil Material, Add	*32.62*	
		For 100 Mil Material, Add	*65.24*	
		For 125 Mil Material, Add	*99.39*	
		For 150 Mil Material, Add	*133.54*	
		For 200 Mil Material, Add	*184.15*	
		For 2 To 5 Manholes, Deduct	*-27.43*	
		For 6 To 10 Manholes, Deduct	*-45.56*	
		For >10 Manholes, Deduct	*-91.13*	
33 01 30 82-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	446.21	
		For 80 Mil Material, Add	*39.14*	
		For 100 Mil Material, Add	*78.29*	
		For 125 Mil Material, Add	*119.26*	
		For 150 Mil Material, Add	*160.24*	
		For 200 Mil Material, Add	*220.98*	
		For 2 To 5 Manholes, Deduct	*-32.92*	
		For 6 To 10 Manholes, Deduct	*-54.68*	
		For >10 Manholes, Deduct	*-109.35*	

33 01 30 82-0014 Epoxy Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0015	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	243.56	
		For 80 Mil Material, Add	*26.39*	
		For 100 Mil Material, Add	*52.78*	
		For 125 Mil Material, Add	*81.80*	
		For 150 Mil Material, Add	*110.81*	
		For 200 Mil Material, Add	*158.23*	
		For 2 To 5 Manholes, Deduct	*-17.48*	
		For 6 To 10 Manholes, Deduct	*-28.87*	
		For >10 Manholes, Deduct	*-57.75*	
33 01 30 82-0016	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	295.97	
		For 80 Mil Material, Add	*31.68*	
		For 100 Mil Material, Add	*63.37*	
		For 125 Mil Material, Add	*98.11*	
		For 150 Mil Material, Add	*132.86*	
		For 200 Mil Material, Add	*189.38*	
		For 2 To 5 Manholes, Deduct	*-21.28*	
		For 6 To 10 Manholes, Deduct	*-35.16*	
		For >10 Manholes, Deduct	*-70.32*	
33 01 30 82-0017	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	324.75	
		For 80 Mil Material, Add	*35.19*	
		For 100 Mil Material, Add	*70.38*	
		For 125 Mil Material, Add	*109.06*	
		For 150 Mil Material, Add	*147.74*	
		For 200 Mil Material, Add	*210.96*	
		For 2 To 5 Manholes, Deduct	*-23.31*	
		For 6 To 10 Manholes, Deduct	*-38.50*	
		For >10 Manholes, Deduct	*-76.99*	
33 01 30 82-0018	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	405.97	
		For 80 Mil Material, Add	*44.00*	
		For 100 Mil Material, Add	*87.99*	
		For 125 Mil Material, Add	*136.36*	
		For 150 Mil Material, Add	*184.73*	
		For 200 Mil Material, Add	*263.79*	
		For 2 To 5 Manholes, Deduct	*-29.14*	
		For 6 To 10 Manholes, Deduct	*-48.12*	
		For >10 Manholes, Deduct	*-96.25*	
33 01 30 82-0019	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	487.16	
		For 80 Mil Material, Add	*52.79*	
		For 100 Mil Material, Add	*105.59*	
		For 125 Mil Material, Add	*163.63*	
		For 150 Mil Material, Add	*221.66*	
		For 200 Mil Material, Add	*316.53*	
		For 2 To 5 Manholes, Deduct	*-34.96*	
		For 6 To 10 Manholes, Deduct	*-57.75*	
		For >10 Manholes, Deduct	*-115.50*	

33 01 30 82-0020 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 82-0001)*

33 01 30 82-0021	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	327.44	
		For 2 To 5 Manholes, Deduct	*-19.63*	
		For 6 To 10 Manholes, Deduct	*-31.07*	
		For >10 Manholes, Deduct	*-62.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0022	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	400.91	
		For 2 To 5 Manholes, Deduct	*-24.03*	
		For 6 To 10 Manholes, Deduct	*-38.03*	
		For >10 Manholes, Deduct	*-76.06*	
33 01 30 82-0023	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	468.65	
		For 2 To 5 Manholes, Deduct	*-27.78*	
		For 6 To 10 Manholes, Deduct	*-43.83*	
		For >10 Manholes, Deduct	*-87.67*	
33 01 30 82-0024	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	587.52	
		For 2 To 5 Manholes, Deduct	*-34.80*	
		For 6 To 10 Manholes, Deduct	*-54.92*	
		For >10 Manholes, Deduct	*-109.84*	
33 01 30 82-0025	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	706.40	
		For 2 To 5 Manholes, Deduct	*-41.83*	
		For 6 To 10 Manholes, Deduct	*-66.01*	
		For >10 Manholes, Deduct	*-132.02*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	257.75
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	288.82
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	317.23
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	349.34
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	375.80

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	299.78
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	326.32
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	359.42
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	391.54
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	422.65

33 01 30 86-0014 >32-1/2" To 36" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	345.85
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	365.30
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	386.37

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	419.73
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	455.88
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	492.70
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	522.51
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	567.08
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	607.92
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	648.11
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	689.26

33 01 30 86-0027 >12" Rise, Solid Manhole Risers *(33 01 30 86)*

33 01 30 86-0028 Precast Concrete Manhole Riser *(33 01 30 86-0027)*

33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	67.26
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	80.86
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	91.92
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	175.56
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	259.25

33 05 Common Work Results For Utilities *(33)*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	20.13
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	24.29
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	33.31
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	43.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	74.29	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	108.38	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	130.23	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	155.58	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	269.20	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	331.29	
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	408.62	
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	466.86	
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	594.56	
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	640.65	
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	696.73	
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	730.45	
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,146.44	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,200.80	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,069.57	

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.32	
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	15.48	
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	21.50	
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	26.66	
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	31.82	
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	36.98	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	43.00	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	52.44	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	56.81	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	61.18	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	126.73	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	195.72	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	238.68	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	381.89	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,751.96	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,146.44	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,200.80	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	40.33	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	48.47	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	65.89	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	85.14	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	115.89	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	169.58	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	203.99	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	243.63	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	397.18	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	565.37	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	670.93	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	761.02	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	819.03	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	886.14	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	953.16	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,751.96	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,146.44	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,200.80	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,069.57	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24		**Casing Piping for Utility Jacking** *(33 05 07)*			
33 05 07 24-0001		Casing Pipe *(33 05 07 24)*			
		Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.			
33 05 07 24-0002		Steel Pipe *(33 05 07 24-0001)*			
33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine		8.60	
		Note: Includes pipe welding.			
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine		9.15	
		Note: Includes pipe welding.			
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine		9.83	
		Note: Includes pipe welding.			
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine		10.52	
		Note: Includes pipe welding.			
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine		13.07	
		Note: Includes pipe welding.			
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine		14.66	
		Note: Includes pipe welding.			
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine		16.25	
		Note: Includes pipe welding.			
33 05 07 24-0010		Polyethylene Pipe *(33 05 07 24-0001)*			
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine		3.45	
		Note: Includes pipe welding.			
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine		3.82	
		Note: Includes pipe welding.			
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine		4.14	
		Note: Includes pipe welding.			
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine		4.44	
		Note: Includes pipe welding.			
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine		4.74	
		Note: Includes pipe welding.			
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine		5.05	
		Note: Includes pipe welding.			
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine		5.35	
		Note: Includes pipe welding.			
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine		6.38	
		Note: Includes pipe welding.			
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine		7.00	
		Note: Includes pipe welding.			
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine		7.62	
		Note: Includes pipe welding.			
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine		9.71	
		Note: Includes pipe welding.			
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine		12.93	
		Note: Includes pipe welding.			
33 05 61		**Concrete Manholes** *(33 05)*			
33 05 61 00-0001		Manholes *(33 05 61)*			
33 05 61 00-0002		Cast In Place Concrete, 8" Thick *(33 05 61 00-0001)*			
		Note: Includes base, wall, top and block-out for openings.			
33 05 61 00-0003		48" Diameter *(33 05 61 00-0002)*			
33 05 61 00-0004	EA	4' Diameter x 4' Deep Cast In Place Manhole 8" Thick		1,375.17	496.90
33 05 61 00-0005	EA	4' Diameter x 6' Deep Cast In Place Manhole 8" Thick		1,893.38	679.81
33 05 61 00-0006	EA	4' Diameter x 8' Deep Cast In Place Manhole 8" Thick		2,724.34	1,019.11
33 05 61 00-0007	VLF	4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'		337.52	127.44
33 05 61 00-0008		Precast Concrete Manholes *(33 05 61 00-0001)*			
		Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.			
33 05 61 00-0009		3' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*			
33 05 61 00-0010	EA	4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole		832.73	235.18
		For 6" Thick Wall, Deduct		*-59.76*	
33 05 61 00-0011	EA	6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole		1,158.17	321.61
		For 6" Thick Wall, Deduct		*-83.66*	
33 05 61 00-0012	EA	8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole		1,632.35	482.42
		For 6" Thick Wall, Deduct		*-114.99*	
33 05 61 00-0013	VLF	Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole		201.66	64.33
		For 6" Thick Wall, Deduct		*-14.14*	
33 05 61 00-0014		3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*			
33 05 61 00-0015	EA	4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole		924.37	245.23
		For 6" Thick Wall, Deduct		*-67.91*	
33 05 61 00-0016	EA	6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole		1,282.44	335.28
		For 6" Thick Wall, Deduct		*-94.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0017	EA	8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,794.88	502.52
		For 6" Thick Wall, Deduct	*-129.24*	
33 05 61 00-0018	VLF	Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	220.92	64.33
		For 6" Thick Wall, Deduct	*-15.82*	
33 05 61 00-0019		4' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0020	EA	4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,018.38	253.27
		For 6" Thick Wall, Deduct	*-76.34*	
33 05 61 00-0021	EA	6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,408.80	345.73
		For 6" Thick Wall, Deduct	*-106.04*	
33 05 61 00-0022	EA	8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,960.69	522.62
		For 6" Thick Wall, Deduct	*-143.81*	
33 05 61 00-0023	VLF	Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	240.84	66.34
		For 6" Thick Wall, Deduct	*-17.55*	
33 05 61 00-0024	VLF	Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	282.98	66.34
		For 6" Thick Wall, Deduct	*-21.77*	
33 05 61 00-0025		5' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0026	EA	4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,231.90	281.41
		For 6" Thick Wall, Deduct	*-94.97*	
33 05 61 00-0027	EA	6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,692.59	385.93
		For 6" Thick Wall, Deduct	*-130.72*	
33 05 61 00-0028	EA	8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,332.25	578.90
		For 6" Thick Wall, Deduct	*-175.41*	
33 05 61 00-0029	VLF	Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	285.07	72.36
		For 6" Thick Wall, Deduct	*-21.27*	
33 05 61 00-0030	VLF	Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	330.61	72.36
		For 6" Thick Wall, Deduct	*-25.83*	
33 05 61 00-0031		6' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 05 61 00-0008)*		
33 05 61 00-0032	EA	4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,465.81	313.57
33 05 61 00-0033	EA	6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,001.06	426.14
33 05 61 00-0034	EA	8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,736.70	643.23
33 05 61 00-0035	VLF	Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	332.45	80.40
33 05 61 00-0036	VLF	Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	374.58	80.40

33 05 62 Brick Manholes *(33 05)*

33 05 62 00-0001 Brick Manholes *(33 05 62)*

33 05 62 00-0002 4' Inside Diameter x 8" Wall (2 Brick) *(33 05 62 00-0001)*

33 05 62 00-0003	EA	4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,428.67	868.41
33 05 62 00-0004	EA	4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,548.56	1,278.94
33 05 62 00-0005	EA	4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	4,691.32	1,736.84
33 05 62 00-0006	VLF	4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'	609.47	217.10

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0087 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,200.17	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,867.98	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,731.58	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,463.29	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,665.18	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,461.57	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,258.78	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	7,597.97	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	7,597.97	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,567.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,388.19	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,314.01	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,025.38	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,158.08	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,422.24	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,145.16	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,868.06	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,146.97	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,934.58	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,997.47	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,849.82	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,702.12	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	8,262.55	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,379.38	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,831.52	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,812.46	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,764.33	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,969.64	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	9,911.46	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,643.50	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,422.34	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,562.33	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,405.07	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,329.78	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,237.23	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,144.67	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	8,927.12	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,191.78	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,274.06	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,310.90	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,502.39	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,782.04	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,650.17	
33 05 63 00-0049		**10' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,662.09	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,624.63	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,388.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,994.39	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,012.86	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	1,616.04	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	2,132.27	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	2,591.92	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	3,162.09	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	4,201.17	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	2,395.52	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	3,162.09	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	3,992.11	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	4,983.56	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	6,731.37	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)*		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	192.07	18.37
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	176.87	40.82
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	269.56	61.22
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	308.94	61.22
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	295.93	61.22
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	352.72	61.22
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	344.15	61.22
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	459.15	61.22
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	649.79	81.63
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	897.27	81.63
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	606.77	112.24
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	684.27	112.24
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,087.45	112.24
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	649.10	122.44
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	902.97	122.44
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,110.57	122.44
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,601.59	122.44
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	929.49	180.37
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,311.58	180.37
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	243.51	18.37
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	330.83	61.22
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	394.22	61.22
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	365.84	61.22
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	414.38	61.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	427.11	61.22
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	542.82	61.22
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	737.05	112.24
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	814.55	112.24
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,217.74	112.24
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,081.74	180.37
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,466.73	180.37
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.71	18.37
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	263.15	18.37
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	235.20	61.22
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	262.68	61.22
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	79.23	18.37
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	118.17	18.37
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	185.75	18.37
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	193.94	18.37
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	174.02	40.82
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.56	40.82
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	116.50	18.37
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.82	18.37
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	185.26	40.82
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	206.35	40.82
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	192.70	40.82
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.48	61.22
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.17	61.22
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.55	61.22
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	295.72	61.22
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	341.92	61.22
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	369.95	61.22
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	400.62	61.22
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	419.91	61.22
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	504.41	81.63
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	522.81	112.24
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	657.13	112.24
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	781.15	112.24
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	859.48	112.24
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	937.39	112.24
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,078.55	180.37
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	803.98	180.37
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	903.46	180.37
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,093.68	180.37
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,091.73	180.37
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,162.73	180.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,299.29	180.37
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,205.53	193.26
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,301.95	193.26
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,425.04	193.26
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,474.29	193.26
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,491.41	193.26
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,678.97	193.26
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,314.72	193.26
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,709.92	193.26
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,920.31	206.13
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,350.30	206.13
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,991.11	206.13
33 05 63 00-0154		Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.53	61.22
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.29	61.22
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	128.08	18.37
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	181.30	18.37
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.12	18.37
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	248.31	18.37
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	227.57	40.82
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.31	40.82
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.98	40.82
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.76	18.37
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	199.05	18.37
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.69	40.82
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	268.78	40.82
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	255.80	40.82
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.14	61.22
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	327.08	61.22
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.67	61.22
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	378.70	61.22
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	424.76	61.22
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	452.91	61.22
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	483.45	61.22
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	502.87	61.22
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	619.02	81.63
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	653.10	112.24
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	787.26	112.24
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.15	112.24
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	989.36	112.24
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,067.52	112.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	954.79	180.37
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,054.41	180.37
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,244.49	180.37
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	283.76	61.22
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.64	61.22
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	96.94	18.37
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	153.96	18.37
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.37	18.37
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	225.70	18.37
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	212.60	40.82
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.87	40.82
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	135.80	18.37
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.52	40.82
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	254.77	40.82
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.38	40.82
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	302.93	61.22
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	344.27	61.22
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.02	61.22
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	390.76	61.22
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	420.88	61.22
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	449.31	61.22
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	500.22	61.22
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.32	61.22
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	627.90	81.63
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	664.62	112.24
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	812.78	112.24
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	959.31	112.24
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,056.64	112.24
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,153.97	112.24
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,259.89	180.37
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	985.32	180.37
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,092.56	180.37
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,282.65	180.37
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,366.50	180.37
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,392.76	180.37
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,647.47	180.37
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,538.85	193.26
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,588.67	193.26
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,729.99	193.26
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,836.95	193.26
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,693.98	193.26
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,076.50	193.26
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,813.07	193.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,984.71	193.26
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,392.40	206.13
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,822.56	206.13
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,777.16	206.13
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.07	61.22
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.41	61.22
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	145.40	18.37
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	216.96	18.37
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.62	18.37
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	280.07	18.37
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	275.03	40.82
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	299.16	40.82
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	205.04	18.37
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	286.68	40.82
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	316.92	40.82
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	277.66	40.82
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	372.87	61.22
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	414.21	61.22
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	440.99	61.22
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	473.73	61.22
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.84	61.22
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.29	61.22
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	583.21	61.22
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.28	61.22
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	742.35	81.63
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	794.90	112.24
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	942.93	112.24
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,089.30	112.24
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,186.70	112.24
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,284.10	112.24
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,136.27	180.37
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,243.66	180.37
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,433.61	180.37
33 05 63 00-0261		Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	301.14	61.22
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	203.15	40.82
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	226.47	40.82
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	270.88	61.22
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	210.79	40.82
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	233.12	40.82
33 05 63 00-0268		Polymer Concrete Handhole Enclosure Extensions *(33 05 63 00-0069)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	227.47	61.22
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	251.77	61.22
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	294.09	81.63
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	317.95	81.63
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	383.68	112.24
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	662.45	180.37
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	636.37	180.37
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	642.06	180.37
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	845.15	193.26
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,299.35	206.13
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,678.25	206.13
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	354.97	61.22
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	369.82	61.22
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	402.86	81.63
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	426.97	81.63
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	502.97	112.24
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	804.95	180.37
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	282.40	61.22
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	311.68	61.22
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	425.69	112.24
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	817.22	193.26

33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0069)*

33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	74.89	8.17
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	75.83	8.17
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	70.48	8.17
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.01	8.17
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.74	8.17
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.63	8.17
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.11	8.17
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	652.09	23.19
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	571.72	23.19
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	851.65	23.19
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	861.19	23.19
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	974.45	23.19
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,060.97	23.19
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,699.73	23.19
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	64.55	8.17
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	91.30	8.17
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	92.54	8.17
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	115.72	8.17
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	87.98	8.17
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.39	8.17
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	107.68	8.17
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	218.09	8.17
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.80	12.24
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	240.59	12.24
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	309.59	14.29
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	433.39	18.04
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	451.00	34.36
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	117.11	8.17
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	165.81	8.17
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	188.29	8.17
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	311.27	8.17
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	258.50	12.24
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	434.72	14.29
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	568.93	18.04
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	767.31	23.19
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	683.10	23.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	950.87	23.19
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,235.64	23.19
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,183.69	23.19
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,792.47	23.19
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,764.13	23.19
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	153.19	8.17
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	167.26	8.17
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	219.37	8.17
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	249.61	8.17
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	429.44	8.17
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	314.18	12.24
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	428.04	12.24
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	662.08	14.29
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	757.62	18.04
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	788.84	34.36
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	912.28	23.19
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,270.28	23.19
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,773.84	23.19
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,583.80	23.19
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,619.18	23.19
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,038.18	23.19
33 05 63 00-0349		**Polymer Concrete Handhole Enclosure Covers With Gaskets** *(33 05 63 00-0290)*		
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	85.60	8.17
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.31	8.17
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	91.86	8.17
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.44	8.17
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	106.25	8.17
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	68.89	8.17
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	95.75	8.17
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	96.61	8.17
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	120.31	8.17
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	92.97	8.17
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	112.95	8.17
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	141.25	8.17
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.06	12.24
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	245.60	12.24
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	456.14	34.36
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	57.84	8.17
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.84	8.17
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.51	8.17
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.21	8.17
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	78.13	8.17
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	121.55	8.17
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	131.58	8.17
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.53	8.17
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	193.42	8.17
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	263.09	12.24
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	327.44	12.24
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	598.35	34.36
33 05 63 00-0377		**Polymer Concrete Handhole Enclosure Covers Without Bolts** *(33 05 63 00-0290)*		
33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	47.17	8.17
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	55.51	8.17
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	66.74	8.17
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	71.73	8.17
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	71.61	8.17
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	84.40	8.17
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	96.97	8.17
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.40	12.24
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	432.29	34.36
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	645.06	23.19
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	563.79	23.19
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	838.60	23.19
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	809.54	23.19
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	966.88	23.19
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,032.98	23.19
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,645.94	23.19
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	62.17	8.17
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	60.79	8.17
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	88.30	8.17
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	96.72	8.17
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.07	8.17
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	83.67	8.17
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	92.97	8.17
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.56	8.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	189.03	12.24
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	235.00	12.24
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.27	12.24
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	416.32	18.04
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	432.29	20.61
33 05 63 00-0407		Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	671.25	23.19
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	967.85	23.19
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	563.65	34.36
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	744.72	34.36
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	795.79	23.19
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,081.25	23.19
33 05 63 00-0414		Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	263.17	12.24
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	486.81	18.04
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	509.70	34.36
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	44.85	8.17
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	72.18	8.17
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	79.09	8.17
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	83.66	8.17
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	73.82	8.17
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	127.51	8.17
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	350.96	12.24
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	645.12	18.04
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	676.75	34.36
33 05 63 00-0427		Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*		
		Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	541.52	184.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	882.65	276.77
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*89.68*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,097.54	369.03
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*152.76*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,128.23	369.03
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*190.55*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,348.89	461.29
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*227.30*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,400.37	461.29
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*255.68*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	1,635.22	553.55
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*296.81*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	1,885.84	645.81
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*431.34*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	1,786.56	553.55
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*486.13*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	1,799.57	553.55
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*315.93*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	458.27	184.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	531.83	207.58
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	632.78	230.65
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	355.64	60.31
33 05 84 00-0005	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Slab	407.39	62.71
33 05 84 00-0006	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	464.66	65.13
33 05 84 00-0007	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	596.51	69.95
33 05 84 00-0008	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	699.15	74.78
33 05 84 00-0009		Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*		
33 05 84 00-0010	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	530.37	75.37
33 05 84 00-0011	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	580.57	78.39
33 05 84 00-0012	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	630.78	81.41
33 05 84 00-0013	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	727.16	86.43
33 05 84 00-0014	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	827.58	92.46
33 05 84 00-0015		Pipe To Manhole Connector *(33 05 84 00-0001)*		
33 05 84 00-0016		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0015)*		
33 05 84 00-0017	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	58.22	
33 05 84 00-0018	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	81.77	
33 05 84 00-0019	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	92.38	
33 05 84 00-0020	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	133.55	
33 05 84 00-0021	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	184.09	
33 05 84 00-0022	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	246.03	
33 05 84 00-0023	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	428.58	
33 05 84 00-0024	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	591.69	
33 05 84 00-0025	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	915.95	
33 05 84 00-0026	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,083.80	
33 05 84 00-0027		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0015)* Note: Fernco CMA.		
33 05 84 00-0028	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	73.18	
33 05 84 00-0029	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	100.91	
33 05 84 00-0030	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	127.26	
33 05 84 00-0031	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	153.52	
33 05 84 00-0032	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	178.26	
33 05 84 00-0033		Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0015)*		
33 05 84 00-0034	EA	Seal Gap Between Pipe And Structure With Brick And Grout	196.61	
33 05 84 00-0035		Inverts For Manholes *(33 05 84 00-0001)*		
33 05 84 00-0036	EA	Single Channel Concrete Invert For Manholes	331.45	
33 05 84 00-0037	EA	Double Channel Concrete Invert For Manholes	484.43	
33 05 84 00-0038	EA	Triple Channel Concrete Invert For Manholes	650.19	
33 05 84 00-0039	EA	Quad Channel Concrete Invert For Manholes	815.93	
33 05 84 00-0040	EA	Single Channel Brick Invert For Manholes	511.92	
33 05 84 00-0041	EA	Double Channel Brick Invert For Manholes	766.56	
33 05 84 00-0042	EA	Triple Channel Brick Invert For Manholes	1,025.63	
33 05 84 00-0043	EA	Quad Channel Brick Invert For Manholes	1,281.54	
33 05 84 00-0044		Steps For Cast-In-Place Manholes *(33 05 84 00-0001)* See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 84 00-0045	EA	Cast Iron Manhole Step For New Manholes	53.63	
33 05 84 00-0046	EA	Galvanized Steel Manhole Step For New Manholes	41.47	
33 05 84 00-0047	EA	Aluminum Manhole Step For New Manholes	38.41	
33 05 84 00-0048	EA	Polypropylene Manhole Step For New Manholes	33.20	
33 05 84 00-0049		Protective Coating For New Manholes *(33 05 84 00-0001)*		
33 05 84 00-0050		Polyurethane Protective Coating For New Manholes *(33 05 84 00-0049)*		
33 05 84 00-0051	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	137.51	
		For 80 Mil Material, Add	*18.44*	
		For 100 Mil Material, Add	*36.88*	
		For 125 Mil Material, Add	*57.93*	
		For 150 Mil Material, Add	*78.99*	
		For 200 Mil Material, Add	*115.81*	
		For 2 To 5 Manholes, Deduct	*-9.53*	
		For 6 To 10 Manholes, Deduct	*-15.62*	
		For >10 Manholes, Deduct	*-31.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0052	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	166.35	
		For 80 Mil Material, Add	*21.96*	
		For 100 Mil Material, Add	*43.92*	
		For 125 Mil Material, Add	*68.95*	
		For 150 Mil Material, Add	*93.97*	
		For 200 Mil Material, Add	*137.53*	
		For 2 To 5 Manholes, Deduct	*-11.56*	
		For 6 To 10 Manholes, Deduct	*-18.96*	
		For >10 Manholes, Deduct	*-37.92*	
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	183.34	
		For 80 Mil Material, Add	*24.58*	
		For 100 Mil Material, Add	*49.16*	
		For 125 Mil Material, Add	*77.24*	
		For 150 Mil Material, Add	*105.32*	
		For 200 Mil Material, Add	*154.40*	
		For 2 To 5 Manholes, Deduct	*-12.70*	
		For 6 To 10 Manholes, Deduct	*-20.82*	
		For >10 Manholes, Deduct	*-41.64*	
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	229.22	
		For 80 Mil Material, Add	*30.74*	
		For 100 Mil Material, Add	*61.48*	
		For 125 Mil Material, Add	*96.59*	
		For 150 Mil Material, Add	*131.71*	
		For 200 Mil Material, Add	*193.09*	
		For 2 To 5 Manholes, Deduct	*-15.88*	
		For 6 To 10 Manholes, Deduct	*-26.03*	
		For >10 Manholes, Deduct	*-52.06*	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	265.61	
		For 80 Mil Material, Add	*36.18*	
		For 100 Mil Material, Add	*72.35*	
		For 125 Mil Material, Add	*113.78*	
		For 150 Mil Material, Add	*155.20*	
		For 200 Mil Material, Add	*227.91*	
		For 2 To 5 Manholes, Deduct	*-18.35*	
		For 6 To 10 Manholes, Deduct	*-30.05*	
		For >10 Manholes, Deduct	*-60.11*	

33 05 84 00-0056 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0049)*

Note: For new manholes and shop applied.

33 05 84 00-0057	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	147.87	
33 05 84 00-0058	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	181.26	
33 05 84 00-0059	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	221.20	
33 05 84 00-0060	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	277.79	
33 05 84 00-0061	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	334.38	
33 05 84 00-0062	SF	Polyvinyl Chloride (PVC) Liner At Structures	22.58	

33 05 84 00-0063 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0064 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0065	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	61.84	
33 05 84 00-0066	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	66.98	
33 05 84 00-0067	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	72.11	
33 05 84 00-0068	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	77.24	

33 05 84 00-0069 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0070	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	69.36	
33 05 84 00-0071	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	75.20	
33 05 84 00-0072	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	81.03	
33 05 84 00-0073	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	86.86	

33 05 84 00-0074 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0063)*

33 05 84 00-0075	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	76.74	
33 05 84 00-0076	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	83.24	
33 05 84 00-0077	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	89.75	
33 05 84 00-0078	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	96.25	

33 05 84 00-0079 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0080 Bentonite Collar At Manhole Connections *(33 05 84 00-0079)*

33 05 84 00-0081	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	104.34	
33 05 84 00-0082	EA	>12" To 21", Bentonite Collar At Manhole Connection	165.52	
33 05 84 00-0083	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	264.63	
33 05 84 00-0084	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	621.26	
33 05 84 00-0085	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	953.22	
33 05 84 00-0086	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,726.23	

33 05 84 00-0087 Manhole Covers And Frames *(33 05 84)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 84 00-0088		Regular Manhole Covers And Frames, City Type *(33 05 84 00-0087)*		
33 05 84 00-0089	EA	18" Square, Gray Iron, Manhole Cover With Frame	651.24	69.15
		For Ductile Iron Castings, Add	*309.54*	
		For Heavy Duty, Add	*238.39*	
33 05 84 00-0090	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	423.68	69.15
		For Ductile Iron Castings, Add	*150.25*	
		For Heavy Duty, Add	*158.74*	
33 05 84 00-0091	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	489.39	80.40
		For Ductile Iron Castings, Add	*173.72*	
		For Heavy Duty, Add	*183.35*	
33 05 84 00-0092	EA	24" Square, Gray Iron, Manhole Cover With Frame	699.21	89.25
		For Ductile Iron Castings, Add	*301.84*	
		For Heavy Duty, Add	*258.12*	
33 05 84 00-0093	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	632.68	96.49
		For Ductile Iron Castings, Add	*239.46*	
		For Heavy Duty, Add	*235.97*	
33 05 84 00-0094	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	659.00	100.51
		For Ductile Iron Castings, Add	*250.25*	
		For Heavy Duty, Add	*245.73*	
33 05 84 00-0095	EA	24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard	764.09	89.25
		For Ductile Iron Castings, Add	*347.26*	
		For Heavy Duty, Add	*280.83*	
33 05 84 00-0096		Watertight Type Manhole Covers And Frames *(33 05 84 00-0087)*		
33 05 84 00-0097	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	733.35	57.09
		For Ductile Iron Castings, Add	*354.28*	
33 05 84 00-0098	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	753.72	57.09
		For Ductile Iron Castings, Add	*355.45*	
33 05 84 00-0099	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	779.14	66.73
		For Ductile Iron Castings, Add	*357.79*	
33 05 84 00-0100	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	910.43	74.78
		For Ductile Iron Castings, Add	*433.88*	
33 05 84 00-0101	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,033.22	76.38
		For Ductile Iron Castings, Add	*512.20*	
33 05 84 00-0102	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,080.23	77.99
		For Ductile Iron Castings, Add	*542.35*	
33 05 84 00-0103	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,122.70	80.40
		For Ductile Iron Castings, Add	*569.21*	
33 05 84 00-0104		Aluminum Manhole Covers And Frames *(33 05 84 00-0087)*		
33 05 84 00-0105	EA	12" Square Aluminum Manhole Cover With Frame	372.99	23.58
33 05 84 00-0106	EA	18" Square Aluminum Manhole Cover With Frame	642.04	26.11
33 05 84 00-0107	EA	24" Square Aluminum Manhole Cover With Frame	902.19	30.31
33 05 84 00-0108		Remove And Reinstall Manhole Cover And Frame *(33 05 84 00-0087)*		
		Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0109	EA	Removal And Reinstallation Of Manhole Cover And Frame	322.37	
33 05 84 00-0110		Rainguard Inflow Protectors *(33 05 84 00-0087)*		
33 05 84 00-0111	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	93.96	17.35
33 05 84 00-0112	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	105.99	17.35
33 05 84 00-0113	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	126.80	20.82
33 05 84 00-0114	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	134.41	20.82
33 05 84 00-0115	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	165.24	24.29
33 05 84 00-0116	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	174.58	24.29
33 05 84 00-0117		Adjust Frame And Cover To Grade (Monterey County) *(33 05 84 00-0087)*		
33 05 84 00-0118	EA	Adjust Frame And Cover To Grade (Monterey County)	525.35	
33 05 84 00-0119		Waste Water Collection System Taps *(33 05 84)*		
		Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0120		Brick Manhole Taps *(33 05 84 00-0119)*		
33 05 84 00-0121	EA	4" Tap In 6" Brick Manhole	390.86	
33 05 84 00-0122	EA	6" Tap In 6" Brick Manhole	436.85	
33 05 84 00-0123	EA	8" Tap In 6" Brick Manhole	482.01	
33 05 84 00-0124	EA	10" Tap In 6" Brick Manhole	527.08	
33 05 84 00-0125	EA	12" Tap In 6" Brick Manhole	581.24	
33 05 84 00-0126	EA	15" Tap In 6" Brick Manhole	626.23	
33 05 84 00-0127		Precast Concrete Manhole Tap *(33 05 84 00-0119)*		
33 05 84 00-0128	EA	4" Tap In Existing Precast Concrete Manhole	567.70	
33 05 84 00-0129	EA	6" Tap In Existing Precast Concrete Manhole	636.68	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0130	EA	8" Tap In Existing Precast Concrete Manhole	710.82	
33 05 84 00-0131	EA	10" Tap In Existing Precast Concrete Manhole	778.43	
33 05 84 00-0132	EA	12" Tap In Existing Precast Concrete Manhole	845.90	
33 05 84 00-0133	EA	15" Tap In Existing Precast Concrete Manhole	915.01	
33 05 84 00-0134	EA	18" Tap In Existing Precast Concrete Manhole	1,048.88	
33 05 84 00-0135	EA	24" Tap In Existing Precast Concrete Manhole	1,345.45	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

33 05 97 16-0001 Reflective Sheeting Delineators *(33 05 97 16)*

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square	35.69	
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square	37.79	
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square	41.98	
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square	44.08	
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square	46.17	
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square	40.41	
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	36.21	
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	38.31	
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	38.31	
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	40.41	
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	42.50	
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	44.60	
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	63.47	
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	44.08	
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	66.09	
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	63.47	
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	65.56	
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	66.09	
33 05 97 16-0020	EA	Relocate Delineator	46.64	

33 05 97 16-0021 Reference Markers *(33 05 97 16)*

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height	45.48	
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height	51.48	
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted	49.73	
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only	25.75	
33 05 97 16-0026	EA	Relocate Reference Marker	46.64	

33 05 97 16-0027 Object Markers *(33 05 97 16)*

33 05 97 16-0028	EA	Object Marker, Type L-1	58.64	
33 05 97 16-0029	EA	Object Marker, Type L-2	54.79	
33 05 97 16-0030	EA	Object Marker, Type K-1	61.72	
33 05 97 16-0031	EA	Object Marker, Type K-2	57.87	
33 05 97 16-0032	EA	Object Marker, Type Q	42.46	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	727.07	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	898.82	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,348.23	

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.42	
		For >100 To 250, Add		*0.44*
		For >250 To 400, Add		*0.87*
		For >400 To 600, Add		*1.31*
		For >600 To 750, Add		*1.74*
		For >750, Add		*2.18*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.67	
		For >100 To 250, Add	*0.52*	
		For >250 To 400, Add	*1.03*	
		For >400 To 600, Add	*1.55*	
		For >600 To 750, Add	*2.07*	
		For >750, Add	*2.58*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.64	
		For >100 To 250, Add	*0.69*	
		For >250 To 400, Add	*1.38*	
		For >400 To 600, Add	*2.07*	
		For >600 To 750, Add	*2.76*	
		For >750, Add	*3.46*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.25	
		For >100 To 250, Add	*1.08*	
		For >250 To 400, Add	*2.16*	
		For >400 To 600, Add	*3.24*	
		For >600 To 750, Add	*4.33*	
		For >750, Add	*5.41*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.25	
		For >100 To 250, Add	*1.56*	
		For >250 To 400, Add	*3.11*	
		For >400 To 600, Add	*4.67*	
		For >600 To 750, Add	*6.23*	
		For >750, Add	*7.78*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	81.34	
		For >100 To 250, Add	*2.03*	
		For >250 To 400, Add	*4.07*	
		For >400 To 600, Add	*6.10*	
		For >600 To 750, Add	*8.13*	
		For >750, Add	*10.17*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	96.62	
		For >100 To 250, Add	*2.42*	
		For >250 To 400, Add	*4.83*	
		For >400 To 600, Add	*7.25*	
		For >600 To 750, Add	*9.66*	
		For >750, Add	*12.08*	
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	112.35	
		For >100 To 250, Add	*2.81*	
		For >250 To 400, Add	*5.62*	
		For >400 To 600, Add	*8.43*	
		For >600 To 750, Add	*11.24*	
		For >750, Add	*14.04*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	132.01	
		For >100 To 250, Add	*3.30*	
		For >250 To 400, Add	*6.60*	
		For >400 To 600, Add	*9.90*	
		For >600 To 750, Add	*13.20*	
		For >750, Add	*16.50*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	155.61	
		For >100 To 250, Add	*3.89*	
		For >250 To 400, Add	*7.78*	
		For >400 To 600, Add	*11.67*	
		For >600 To 750, Add	*15.56*	
		For >750, Add	*19.45*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	168.19	
		For >100 To 250, Add	*4.20*	
		For >250 To 400, Add	*8.41*	
		For >400 To 600, Add	*12.61*	
		For >600 To 750, Add	*16.82*	
		For >750, Add	*21.02*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	185.05	
		For >100 To 250, Add	*4.63*	
		For >250 To 400, Add	*9.25*	
		For >400 To 600, Add	*13.88*	
		For >600 To 750, Add	*18.51*	
		For >750, Add	*23.13*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	202.68	
		For >100 To 250, Add	*5.07*	
		For >250 To 400, Add	*10.13*	
		For >400 To 600, Add	*15.20*	
		For >600 To 750, Add	*20.27*	
		For >750, Add	*25.34*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	252.12	
		For >100 To 250, Add	*6.30*	
		For >250 To 400, Add	*12.61*	
		For >400 To 600, Add	*18.91*	
		For >600 To 750, Add	*25.21*	
		For >750, Add	*31.52*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	35.50	
		For >100 To 250, Add	*0.89*	
		For >250 To 400, Add	*1.78*	
		For >400 To 600, Add	*2.66*	
		For >600 To 750, Add	*3.55*	
		For >750, Add	*4.44*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	41.35	
		For >100 To 250, Add	*1.03*	
		For >250 To 400, Add	*2.07*	
		For >400 To 600, Add	*3.10*	
		For >600 To 750, Add	*4.14*	
		For >750, Add	*5.17*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	66.20	
		For >100 To 250, Add	*1.66*	
		For >250 To 400, Add	*3.31*	
		For >400 To 600, Add	*4.97*	
		For >600 To 750, Add	*6.62*	
		For >750, Add	*8.28*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	86.56	
		For >100 To 250, Add	*2.16*	
		For >250 To 400, Add	*4.33*	
		For >400 To 600, Add	*6.49*	
		For >600 To 750, Add	*8.66*	
		For >750, Add	*10.82*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	124.57	
		For >100 To 250, Add	*3.11*	
		For >250 To 400, Add	*6.23*	
		For >400 To 600, Add	*9.34*	
		For >600 To 750, Add	*12.46*	
		For >750, Add	*15.57*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	162.60	
		For >100 To 250, Add	*4.07*	
		For >250 To 400, Add	*8.13*	
		For >400 To 600, Add	*12.20*	
		For >600 To 750, Add	*16.26*	
		For >750, Add	*20.33*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	193.33	
		For >100 To 250, Add	*4.83*	
		For >250 To 400, Add	*9.67*	
		For >400 To 600, Add	*14.50*	
		For >600 To 750, Add	*19.33*	
		For >750, Add	*24.17*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	224.34	
		For >100 To 250, Add	*5.61*	
		For >250 To 400, Add	*11.22*	
		For >400 To 600, Add	*16.83*	
		For >600 To 750, Add	*22.43*	
		For >750, Add	*28.04*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	264.26	
		For >100 To 250, Add	*6.61*	
		For >250 To 400, Add	*13.21*	
		For >400 To 600, Add	*19.82*	
		For >600 To 750, Add	*26.43*	
		For >750, Add	*33.03*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	305.24	
		For >100 To 250, Add	*7.63*	
		For >250 To 400, Add	*15.26*	
		For >400 To 600, Add	*22.89*	
		For >600 To 750, Add	*30.52*	
		For >750, Add	*38.16*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	336.38	
		For >100 To 250, Add	*8.41*	
		For >250 To 400, Add	*16.82*	
		For >400 To 600, Add	*25.23*	
		For >600 To 750, Add	*33.64*	
		For >750, Add	*42.05*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	370.09	
		For >100 To 250, Add	*9.25*	
		For >250 To 400, Add	*18.50*	
		For >400 To 600, Add	*27.76*	
		For >600 To 750, Add	*37.01*	
		For >750, Add	*46.26*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	405.37	
		For >100 To 250, Add	*10.13*	
		For >250 To 400, Add	*20.27*	
		For >400 To 600, Add	*30.40*	
		For >600 To 750, Add	*40.54*	
		For >750, Add	*50.67*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	504.23	
		For >100 To 250, Add	*12.61*	
		For >250 To 400, Add	*25.21*	
		For >400 To 600, Add	*37.82*	
		For >600 To 750, Add	*50.42*	
		For >750, Add	*63.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0037		Drill Hole In Crystalline Rock *(33 11 13 00-0002)*		
33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	73.03	
		For >100 To 250, Add	*1.83*	
		For >250 To 400, Add	*3.65*	
		For >400 To 600, Add	*5.48*	
		For >600 To 750, Add	*7.30*	
		For >750, Add	*9.13*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	84.26	
		For >100 To 250, Add	*2.11*	
		For >250 To 400, Add	*4.21*	
		For >400 To 600, Add	*6.32*	
		For >600 To 750, Add	*8.43*	
		For >750, Add	*10.53*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	96.62	
		For >100 To 250, Add	*2.42*	
		For >250 To 400, Add	*4.83*	
		For >400 To 600, Add	*7.25*	
		For >600 To 750, Add	*9.66*	
		For >750, Add	*12.08*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	122.47	
		For >100 To 250, Add	*3.06*	
		For >250 To 400, Add	*6.12*	
		For >400 To 600, Add	*9.19*	
		For >600 To 750, Add	*12.25*	
		For >750, Add	*15.31*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	158.41	
		For >100 To 250, Add	*3.96*	
		For >250 To 400, Add	*7.92*	
		For >400 To 600, Add	*11.88*	
		For >600 To 750, Add	*15.84*	
		For >750, Add	*19.80*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	230.32	
		For >100 To 250, Add	*5.76*	
		For >250 To 400, Add	*11.52*	
		For >400 To 600, Add	*17.27*	
		For >600 To 750, Add	*23.03*	
		For >750, Add	*28.79*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	274.14	
		For >100 To 250, Add	*6.85*	
		For >250 To 400, Add	*13.71*	
		For >400 To 600, Add	*20.56*	
		For >600 To 750, Add	*27.41*	
		For >750, Add	*34.27*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	317.96	
		For >100 To 250, Add	*7.95*	
		For >250 To 400, Add	*15.90*	
		For >400 To 600, Add	*23.85*	
		For >600 To 750, Add	*31.80*	
		For >750, Add	*39.75*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	374.14	
		For >100 To 250, Add	*9.35*	
		For >250 To 400, Add	*18.71*	
		For >400 To 600, Add	*28.06*	
		For >600 To 750, Add	*37.41*	
		For >750, Add	*46.77*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	432.56	
		For >100 To 250, Add	*10.81*	
		For >250 To 400, Add	*21.63*	
		For >400 To 600, Add	*32.44*	
		For >600 To 750, Add	*43.26*	
		For >750, Add	*54.07*	
33 11 13 00-0048		Furnish And Install Casing *(33 11 13 00-0001)*		
		Note: Excludes drilling of hole.		
33 11 13 00-0049		Steel Well Casing *(33 11 13 00-0048)*		
33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	25.73	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 400, Deduct	*-1.46*	
		For >400 To 600, Deduct	*-2.18*	
		For >600 To 750, Deduct	*-2.91*	
		For >750, Deduct	*-3.86*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	32.00	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 400, Deduct	*-1.81*	
		For >400 To 600, Deduct	*-2.72*	
		For >600 To 750, Deduct	*-3.63*	
		For >750, Deduct	*-4.81*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	46.67	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 400, Deduct	*-2.59*	
		For >400 To 600, Deduct	*-3.88*	
		For >600 To 750, Deduct	*-5.18*	
		For >750, Deduct	*-6.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	76.87	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 400, Deduct	*-4.15*	
		For >400 To 600, Deduct	*-6.22*	
		For >600 To 750, Deduct	*-8.30*	
		For >750, Deduct	*-10.77*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	87.19	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 400, Deduct	*-4.78*	
		For >400 To 600, Deduct	*-7.18*	
		For >600 To 750, Deduct	*-9.57*	
		For >750, Deduct	*-12.51*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	102.70	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 400, Deduct	*-5.66*	
		For >400 To 600, Deduct	*-8.49*	
		For >600 To 750, Deduct	*-11.32*	
		For >750, Deduct	*-14.84*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	117.90	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 400, Deduct	*-6.56*	
		For >400 To 600, Deduct	*-9.84*	
		For >600 To 750, Deduct	*-13.12*	
		For >750, Deduct	*-17.26*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	135.13	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 400, Deduct	*-7.57*	
		For >400 To 600, Deduct	*-11.36*	
		For >600 To 750, Deduct	*-15.15*	
		For >750, Deduct	*-19.99*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	157.51	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 400, Deduct	*-8.79*	
		For >400 To 600, Deduct	*-13.19*	
		For >600 To 750, Deduct	*-17.59*	
		For >750, Deduct	*-23.18*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	0.91	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 750, Deduct	*-0.11*	
		For >750, Deduct	*-0.16*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	55.75	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 400, Deduct	*-2.96*	
		For >400 To 600, Deduct	*-4.44*	
		For >600 To 750, Deduct	*-5.92*	
		For >750, Deduct	*-7.61*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	83.44	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 400, Deduct	*-4.38*	
		For >400 To 600, Deduct	*-6.58*	
		For >600 To 750, Deduct	*-8.77*	
		For >750, Deduct	*-11.24*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	116.43	
		For >100 To 250, Deduct	*-3.18*	
		For >250 To 400, Deduct	*-6.09*	
		For >400 To 600, Deduct	*-9.14*	
		For >600 To 750, Deduct	*-12.19*	
		For >750, Deduct	*-15.59*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	135.44	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 400, Deduct	*-7.10*	
		For >400 To 600, Deduct	*-10.64*	
		For >600 To 750, Deduct	*-14.19*	
		For >750, Deduct	*-18.16*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	124.58	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 400, Deduct	*-6.71*	
		For >400 To 600, Deduct	*-10.06*	
		For >600 To 750, Deduct	*-13.41*	
		For >750, Deduct	*-17.38*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	144.28	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 400, Deduct	*-7.76*	
		For >400 To 600, Deduct	*-11.64*	
		For >600 To 750, Deduct	*-15.52*	
		For >750, Deduct	*-20.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	173.13	
		For >100 To 250, Deduct	*-4.94*	
		For >250 To 400, Deduct	*-9.27*	
		For >400 To 600, Deduct	*-13.90*	
		For >600 To 750, Deduct	*-18.54*	
		For >750, Deduct	*-23.97*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	198.21	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 400, Deduct	*-10.61*	
		For >400 To 600, Deduct	*-15.91*	
		For >600 To 750, Deduct	*-21.22*	
		For >750, Deduct	*-27.43*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	219.06	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 400, Deduct	*-11.75*	
		For >400 To 600, Deduct	*-17.63*	
		For >600 To 750, Deduct	*-23.50*	
		For >750, Deduct	*-30.42*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	286.43	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 400, Deduct	*-15.27*	
		For >400 To 600, Deduct	*-22.91*	
		For >600 To 750, Deduct	*-30.55*	
		For >750, Deduct	*-39.42*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	376.99	
		For >100 To 250, Deduct	*-10.62*	
		For >250 To 400, Deduct	*-20.04*	
		For >400 To 600, Deduct	*-30.06*	
		For >600 To 750, Deduct	*-40.08*	
		For >750, Deduct	*-51.65*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	24.71	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 400, Deduct	*-1.37*	
		For >400 To 600, Deduct	*-2.06*	
		For >600 To 750, Deduct	*-2.74*	
		For >750, Deduct	*-3.61*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	39.20	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 400, Deduct	*-2.17*	
		For >400 To 600, Deduct	*-3.26*	
		For >600 To 750, Deduct	*-4.35*	
		For >750, Deduct	*-5.71*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	59.27	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 400, Deduct	*-3.29*	
		For >400 To 600, Deduct	*-4.93*	
		For >600 To 750, Deduct	*-6.57*	
		For >750, Deduct	*-8.64*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	70.07	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 400, Deduct	*-3.89*	
		For >400 To 600, Deduct	*-5.84*	
		For >600 To 750, Deduct	*-7.79*	
		For >750, Deduct	*-10.24*	

33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

33 11 13 00-0080	LF	2" Stainless Steel Well Screen	18.05	1.36
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 750, Deduct	*-2.15*	
		For >750, Deduct	*-2.92*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	28.15	1.36
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 400, Deduct	*-1.60*	
		For >400 To 600, Deduct	*-2.39*	
		For >600 To 750, Deduct	*-3.19*	
		For >750, Deduct	*-4.23*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	35.37	2.04
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 400, Deduct	*-2.01*	
		For >400 To 600, Deduct	*-3.01*	
		For >600 To 750, Deduct	*-4.01*	
		For >750, Deduct	*-5.33*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	44.62	2.04
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 400, Deduct	*-2.51*	
		For >400 To 600, Deduct	*-3.77*	
		For >600 To 750, Deduct	*-5.03*	
		For >750, Deduct	*-6.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	53.74	2.72
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 400, Deduct	*-3.07*	
		For >400 To 600, Deduct	*-4.60*	
		For >600 To 750, Deduct	*-6.13*	
		For >750, Deduct	*-8.15*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	70.08	3.40
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 400, Deduct	*-3.99*	
		For >400 To 600, Deduct	*-5.98*	
		For >600 To 750, Deduct	*-7.98*	
		For >750, Deduct	*-10.60*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	89.14	5.44
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 400, Deduct	*-5.11*	
		For >400 To 600, Deduct	*-7.66*	
		For >600 To 750, Deduct	*-10.22*	
		For >750, Deduct	*-13.62*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	104.56	6.80
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 400, Deduct	*-5.99*	
		For >400 To 600, Deduct	*-8.98*	
		For >600 To 750, Deduct	*-11.98*	
		For >750, Deduct	*-15.96*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	115.02	7.49
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 400, Deduct	*-6.63*	
		For >400 To 600, Deduct	*-9.94*	
		For >600 To 750, Deduct	*-13.26*	
		For >750, Deduct	*-17.71*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	124.70	8.84
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 400, Deduct	*-7.22*	
		For >400 To 600, Deduct	*-10.83*	
		For >600 To 750, Deduct	*-14.44*	
		For >750, Deduct	*-19.33*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	149.85	10.20
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 400, Deduct	*-8.71*	
		For >400 To 600, Deduct	*-13.06*	
		For >600 To 750, Deduct	*-17.41*	
		For >750, Deduct	*-23.35*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	188.98	12.92
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 400, Deduct	*-10.98*	
		For >400 To 600, Deduct	*-16.46*	
		For >600 To 750, Deduct	*-21.95*	
		For >750, Deduct	*-29.42*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	245.27	17.01
		For >100 To 250, Deduct	*-8.13*	
		For >250 To 400, Deduct	*-14.26*	
		For >400 To 600, Deduct	*-21.40*	
		For >600 To 750, Deduct	*-28.53*	
		For >750, Deduct	*-38.26*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	282.60	19.73
		For >100 To 250, Deduct	*-9.33*	
		For >250 To 400, Deduct	*-16.40*	
		For >400 To 600, Deduct	*-24.60*	
		For >600 To 750, Deduct	*-32.80*	
		For >750, Deduct	*-43.94*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.50	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 750, Deduct	*-1.08*	
		For >750, Deduct	*-1.51*	
		For Schedule 80, Add	*1.54*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.57	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 750, Deduct	*-1.21*	
		For >750, Deduct	*-1.67*	
		For Schedule 80, Add	*1.84*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.25	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 750, Deduct	*-1.87*	
		For >750, Deduct	*-2.62*	
		For Schedule 80, Add	*2.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	19.55	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 400, Deduct	*-1.22*	
		For >400 To 600, Deduct	*-1.83*	
		For >600 To 750, Deduct	*-2.43*	
		For >750, Deduct	*-3.35*	
		For Schedule 80, Add	*3.99*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.62	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 400, Deduct	*-1.53*	
		For >400 To 600, Deduct	*-2.30*	
		For >600 To 750, Deduct	*-3.07*	
		For >750, Deduct	*-4.23*	
		For Schedule 80, Add	*5.00*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	30.54	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 400, Deduct	*-1.89*	
		For >400 To 600, Deduct	*-2.83*	
		For >600 To 750, Deduct	*-3.78*	
		For >750, Deduct	*-5.19*	
		For Schedule 80, Add	*6.44*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.95	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 400, Deduct	*-2.23*	
		For >400 To 600, Deduct	*-3.34*	
		For >600 To 750, Deduct	*-4.46*	
		For >750, Deduct	*-6.20*	
		For Schedule 80, Add	*6.29*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	49.15	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 400, Deduct	*-3.07*	
		For >400 To 600, Deduct	*-4.61*	
		For >600 To 750, Deduct	*-6.15*	
		For >750, Deduct	*-8.48*	
		For Schedule 80, Add	*9.82*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*
Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*
Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	14.57	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 400, Deduct	*-0.92*	
		For >400 To 600, Deduct	*-1.39*	
		For >600 To 750, Deduct	*-1.85*	
		For >750, Deduct	*-2.56*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	21.48	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 400, Deduct	*-1.38*	
		For >400 To 600, Deduct	*-2.07*	
		For >600 To 750, Deduct	*-2.76*	
		For >750, Deduct	*-3.85*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	29.88	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 400, Deduct	*-1.95*	
		For >400 To 600, Deduct	*-2.93*	
		For >600 To 750, Deduct	*-3.90*	
		For >750, Deduct	*-5.47*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	38.32	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 400, Deduct	*-2.48*	
		For >400 To 600, Deduct	*-3.72*	
		For >600 To 750, Deduct	*-4.97*	
		For >750, Deduct	*-6.94*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	47.29	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 400, Deduct	*-3.04*	
		For >400 To 600, Deduct	*-4.56*	
		For >600 To 750, Deduct	*-6.08*	
		For >750, Deduct	*-8.49*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	61.30	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 400, Deduct	*-3.90*	
		For >400 To 600, Deduct	*-5.85*	
		For >600 To 750, Deduct	*-7.80*	
		For >750, Deduct	*-10.84*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	70.30	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 400, Deduct	*-4.46*	
		For >400 To 600, Deduct	*-6.69*	
		For >600 To 750, Deduct	*-8.92*	
		For >750, Deduct	*-12.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	83.45	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 400, Deduct	*-5.33*	
		For >400 To 600, Deduct	*-7.99*	
		For >600 To 750, Deduct	*-10.65*	
		For >750, Deduct	*-14.81*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	94.38	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 400, Deduct	*-6.04*	
		For >400 To 600, Deduct	*-9.06*	
		For >600 To 750, Deduct	*-12.09*	
		For >750, Deduct	*-16.83*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	101.75	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 400, Deduct	*-6.47*	
		For >400 To 600, Deduct	*-9.71*	
		For >600 To 750, Deduct	*-12.94*	
		For >750, Deduct	*-17.97*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	121.26	
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 400, Deduct	*-7.76*	
		For >400 To 600, Deduct	*-11.65*	
		For >600 To 750, Deduct	*-15.53*	
		For >750, Deduct	*-21.62*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	140.13	
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 400, Deduct	*-9.08*	
		For >400 To 600, Deduct	*-13.62*	
		For >600 To 750, Deduct	*-18.16*	
		For >750, Deduct	*-25.40*	
33 11 13 00-0117		**Develop Well** *(33 11 13 00-0001)* Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well	258.07	
33 11 13 00-0119		**Pump Test** *(33 11 13 00-0001)* Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	231.85	
33 11 13 00-0121		**Test Well** *(33 11 13 00-0001)*		
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	72.53	
33 11 13 00-0123		**Surface Seal, Concrete Filled** *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	22.13	
33 11 13 00-0125		**Other Water Well** *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	69.89	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	1.59	
33 11 13 00-0128	SF	1" Pressure Grout Well	2.50	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	4.25	
33 11 13 00-0130		**Sterilization Of Well** *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,295.64	
33 11 13 00-0132		**Submersible Well Pumps** *(33 11 13)* Note: Includes pump end, motor and control box.		
33 11 13 00-0133		**4" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0134		**Powder Coated Case And Cast Iron Ends** *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,148.94	368.55
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,312.03	408.49
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,455.96	453.88
33 11 13 00-0138		**Stainless Steel Case And Ends** *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,313.97	363.10
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,500.81	408.49
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,684.28	453.88
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,937.81	499.27
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,201.53	544.65
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,722.18	635.43
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,454.18	726.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,275.87	907.76
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,797.53	998.53
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,340.90	1,089.32
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,514.42	1,270.87

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	31.51	9.82
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*11.66*	
		For Cement Mortar Lining (CML), Add	*1.67*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*8.99*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.25*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.58*	
		For Class 52, Add	*3.62*	
		For Class 53, Add	*9.48*	
		For Class 54, Add	*13.50*	
		For Class 55, Add	*15.56*	
		For Class 56, Add	*17.57*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	34.12	10.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*12.80*	
		For Cement Mortar Lining (CML), Add	*1.83*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*9.88*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.37*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.71*	
		For Class 51, Add	*1.78*	
		For Class 52, Add	*3.96*	
		For Class 53, Add	*10.40*	
		For Class 54, Add	*14.81*	
		For Class 55, Add	*17.06*	
		For Class 56, Add	*19.27*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	36.44	10.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.90*	
		For Cement Mortar Lining (CML), Add	*1.99*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.72*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.49*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.82*	
		For Class 51, Add	*1.92*	
		For Class 52, Add	*4.29*	
		For Class 53, Add	*11.26*	
		For Class 54, Add	*16.05*	
		For Class 55, Add	*18.48*	
		For Class 56, Add	*20.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	42.67	11.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.78*	
		For Cement Mortar Lining (CML), Add	*2.54*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.72*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.91*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.13*	
		For Class 51, Add	*2.41*	
		For Class 52, Add	*5.39*	
		For Class 53, Add	*14.26*	
		For Class 54, Add	*20.33*	
		For Class 55, Add	*23.39*	
		For Class 56, Add	*26.40*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	57.73	16.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*19.82*	
		For Cement Mortar Lining (CML), Add	*3.30*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*16.52*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.48*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.89*	
		For Class 51, Add	*3.16*	
		For Class 52, Add	*7.06*	
		For Class 53, Add	*18.63*	
		For Class 54, Add	*26.56*	
		For Class 55, Add	*30.57*	
		For Class 56, Add	*34.51*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	69.65	18.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*21.10*	
		For Cement Mortar Lining (CML), Add	*4.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*16.88*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.17*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.48*	
		For Class 51, Add	*3.98*	
		For Class 52, Add	*8.92*	
		For Class 53, Add	*23.64*	
		For Class 54, Add	*33.71*	
		For Class 55, Add	*38.79*	
		For Class 56, Add	*43.77*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	83.20	20.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.03*	
		For Cement Mortar Lining (CML), Add	*5.23*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.79*	
		For Fusion Bonded Epoxy Lining (206N), Add	*9.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.16*	
		For Class 51, Add	*4.90*	
		For Class 52, Add	*10.98*	
		For Class 53, Add	*29.20*	
		For Class 54, Add	*41.65*	
		For Class 55, Add	*47.90*	
		For Class 56, Add	*54.04*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	93.95	23.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.05*	
		For Cement Mortar Lining (CML), Add	*5.87*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.19*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.40*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.70*	
		For Class 51, Add	*5.50*	
		For Class 52, Add	*12.33*	
		For Class 53, Add	*32.76*	
		For Class 54, Add	*46.73*	
		For Class 55, Add	*53.75*	
		For Class 56, Add	*60.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	116.41	27.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*30.85*	
		For Cement Mortar Lining (CML), Add	*7.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.32*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.82*	
		For Class 51, Add	*7.01*	
		For Class 52, Add	*15.71*	
		For Class 53, Add	*41.86*	
		For Class 54, Add	*59.72*	
		For Class 55, Add	*68.67*	
		For Class 56, Add	*77.46*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	132.26	32.60
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.49*	
		For Cement Mortar Lining (CML), Add	*8.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.20*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.61*	
		For Class 51, Add	*7.77*	
		For Class 52, Add	*17.40*	
		For Class 53, Add	*46.26*	
		For Class 54, Add	*65.97*	
		For Class 55, Add	*75.88*	
		For Class 56, Add	*85.61*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	172.96	40.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*34.48*	
		For Cement Mortar Lining (CML), Add	*11.12*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.34*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.65*	
		For Class 51, Add	*10.37*	
		For Class 52, Add	*23.24*	
		For Class 53, Add	*61.91*	
		For Class 54, Add	*88.32*	
		For Class 55, Add	*101.56*	
		For Class 56, Add	*114.56*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	222.68	43.88
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*48.61*	
		For Cement Mortar Lining (CML), Add	*15.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.76*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.13*	
		For Class 51, Add	*14.36*	
		For Class 52, Add	*32.24*	
		For Class 53, Add	*86.51*	
		For Class 54, Add	*123.48*	
		For Class 55, Add	*141.88*	
		For Class 56, Add	*159.96*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	266.07	46.59
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*60.79*	
		For Cement Mortar Lining (CML), Add	*19.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.71*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.30*	
		For Class 51, Add	*17.80*	
		For Class 52, Add	*40.01*	
		For Class 53, Add	*107.71*	
		For Class 54, Add	*153.78*	
		For Class 55, Add	*176.64*	
		For Class 56, Add	*199.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	326.70	49.31
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*78.31*	
		For Cement Mortar Lining (CML), Add	*25.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.34*	
		For Class 51, Add	*22.73*	
		For Class 52, Add	*51.14*	
		For Class 53, Add	*138.15*	
		For Class 54, Add	*197.30*	
		For Class 55, Add	*226.55*	
		For Class 56, Add	*255.26*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	400.18	52.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*99.81*	
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-20.01*	
		For Class 51, Add	*28.76*	
		For Class 52, Add	*64.77*	
		For Class 53, Add	*175.48*	
		For Class 54, Add	*250.67*	
		For Class 55, Add	*287.74*	
		For Class 56, Add	*324.13*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	104.78	31.00
		For Cement Mortar Lining (CML), Add	*5.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	119.03	37.05
		For Cement Mortar Lining (CML), Add	*6.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	185.76	54.76
		For Cement Mortar Lining (CML), Add	*10.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	248.05	64.95
		For Cement Mortar Lining (CML), Add	*14.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	347.50	72.28
		For Cement Mortar Lining (CML), Add	*23.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	448.87	84.79
		For Cement Mortar Lining (CML), Add	*32.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	680.41	95.09
		For Cement Mortar Lining (CML), Add	*53.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*96.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.23*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	893.10	108.67
		For Cement Mortar Lining (CML), Add	*72.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	1,107.68	152.14
		For Cement Mortar Lining (CML), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,511.27	190.17
		For Cement Mortar Lining (CML), Add	*122.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	2,209.54	253.23
		For Cement Mortar Lining (CML), Add	*182.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*328.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	3,341.58	271.67
		For Cement Mortar Lining (CML), Add	*293.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*527.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*219.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	5,007.94	282.05
		For Cement Mortar Lining (CML), Add	*458.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*824.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*343.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	8,348.80	326.01
		For Cement Mortar Lining (CML), Add	*785.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,413.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	10,999.18	346.83
		For Cement Mortar Lining (CML), Add	*1,047.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,885.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*785.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	98.83	31.00
		For Cement Mortar Lining (CML), Add	*5.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	107.98	37.05
		For Cement Mortar Lining (CML), Add	*5.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	166.21	54.76
		For Cement Mortar Lining (CML), Add	*8.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	220.00	64.95
		For Cement Mortar Lining (CML), Add	*12.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.12*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	287.15	72.28
		For Cement Mortar Lining (CML), Add	*17.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	393.62	84.79
		For Cement Mortar Lining (CML), Add	*26.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	561.41	95.09
		For Cement Mortar Lining (CML), Add	*41.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	684.85	108.67
		For Cement Mortar Lining (CML), Add	*52.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	976.78	152.14
		For Cement Mortar Lining (CML), Add	*74.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*134.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	1,085.42	190.17
		For Cement Mortar Lining (CML), Add	*79.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*143.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	1,594.99	253.23
		For Cement Mortar Lining (CML), Add	*121.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*218.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	2,872.38	271.67
		For Cement Mortar Lining (CML), Add	*246.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*442.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	4,025.34	282.05
		For Cement Mortar Lining (CML), Add	*359.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*647.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	6,022.35	326.01
		For Cement Mortar Lining (CML), Add	*552.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*995.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*414.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	7,770.03	346.83
		For Cement Mortar Lining (CML), Add	*724.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,304.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	87.78	31.00
		For Cement Mortar Lining (CML), Add	*4.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.06*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	105.43	37.05
		For Cement Mortar Lining (CML), Add	*4.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	159.41	54.76
		For Cement Mortar Lining (CML), Add	*7.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	217.45	64.95
		For Cement Mortar Lining (CML), Add	*11.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	286.30	72.28
		For Cement Mortar Lining (CML), Add	*17.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	360.47	84.79
		For Cement Mortar Lining (CML), Add	*23.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	566.51	95.09
		For Cement Mortar Lining (CML), Add	*42.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	663.60	108.67
		For Cement Mortar Lining (CML), Add	*49.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	843.33	152.14
		For Cement Mortar Lining (CML), Add	*61.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,121.12	190.17
		For Cement Mortar Lining (CML), Add	*83.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*149.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,501.49	253.23
		For Cement Mortar Lining (CML), Add	*111.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,473.73	271.67
		For Cement Mortar Lining (CML), Add	*206.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*371.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,449.89	282.05
		For Cement Mortar Lining (CML), Add	*302.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*544.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*226.70*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,057.60	326.01
		For Cement Mortar Lining (CML), Add	*456.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,467.83	346.83
		For Cement Mortar Lining (CML), Add	*594.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,069.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*445.68*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	87.78	31.00
		For Cement Mortar Lining (CML), Add	*4.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	102.88	37.05
		For Cement Mortar Lining (CML), Add	*4.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	161.96	54.76
		For Cement Mortar Lining (CML), Add	*7.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	206.40	64.95
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	284.60	72.28
		For Cement Mortar Lining (CML), Add	*17.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	346.02	84.79
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	626.01	95.09
		For Cement Mortar Lining (CML), Add	*48.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	692.50	108.67
		For Cement Mortar Lining (CML), Add	*52.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*95.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,004.83	152.14
		For Cement Mortar Lining (CML), Add	*77.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,072.67	190.17
		For Cement Mortar Lining (CML), Add	*78.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,430.09	253.23
		For Cement Mortar Lining (CML), Add	*104.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*188.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,511.13	271.67
		For Cement Mortar Lining (CML), Add	*209.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*377.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,296.89	282.05
		For Cement Mortar Lining (CML), Add	*286.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*516.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,849.35	326.01
		For Cement Mortar Lining (CML), Add	*435.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*783.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,427.03	346.83
		For Cement Mortar Lining (CML), Add	*590.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,062.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*442.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083		Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	107.33	31.00
		For Cement Mortar Lining (CML), Add	*6.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	130.93	37.05
		For Cement Mortar Lining (CML), Add	*7.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	207.01	54.76
		For Cement Mortar Lining (CML), Add	*12.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	276.10	64.95
		For Cement Mortar Lining (CML), Add	*17.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	388.30	72.28
		For Cement Mortar Lining (CML), Add	*27.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	493.07	84.79
		For Cement Mortar Lining (CML), Add	*36.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*65.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.35*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	822.36	95.09
		For Cement Mortar Lining (CML), Add	*67.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*122.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,239.05	108.67
		For Cement Mortar Lining (CML), Add	*107.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*193.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,451.08	152.14
		For Cement Mortar Lining (CML), Add	*122.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,963.47	190.17
		For Cement Mortar Lining (CML), Add	*167.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*301.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,396.54	253.23
		For Cement Mortar Lining (CML), Add	*201.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*362.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,375.18	271.67
		For Cement Mortar Lining (CML), Add	*396.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*713.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*297.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,731.34	282.05
		For Cement Mortar Lining (CML), Add	*730.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,314.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*547.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	99.68	31.00
		For Cement Mortar Lining (CML), Add	*5.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	110.53	37.05
		For Cement Mortar Lining (CML), Add	*5.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	175.56	54.76
		For Cement Mortar Lining (CML), Add	*9.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	247.20	64.95
		For Cement Mortar Lining (CML), Add	*14.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	330.50	72.28
		For Cement Mortar Lining (CML), Add	*22.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	442.92	84.79
		For Cement Mortar Lining (CML), Add	*31.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	733.11	95.09
		For Cement Mortar Lining (CML), Add	*58.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*106.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,098.80	108.67
		For Cement Mortar Lining (CML), Add	*93.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*168.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,309.13	152.14
		For Cement Mortar Lining (CML), Add	*107.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,696.57	190.17
		For Cement Mortar Lining (CML), Add	*140.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,138.99	253.23
		For Cement Mortar Lining (CML), Add	*175.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*315.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,859.23	271.67
		For Cement Mortar Lining (CML), Add	*344.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*620.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*258.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,781.89	282.05
		For Cement Mortar Lining (CML), Add	*635.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,143.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*476.60*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	169.08	46.52
		For Cement Mortar Lining (CML), Add	*9.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	177.37	51.99
		For Cement Mortar Lining (CML), Add	*9.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	165.36	54.76
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	218.41	68.97
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	247.37	71.83
		For Cement Mortar Lining (CML), Add	*13.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	270.52	80.41
		For Cement Mortar Lining (CML), Add	*14.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	286.75	83.23
		For Cement Mortar Lining (CML), Add	*16.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	324.36	91.78
		For Cement Mortar Lining (CML), Add	*18.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	371.25	97.51
		For Cement Mortar Lining (CML), Add	*22.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	382.61	89.84
		For Cement Mortar Lining (CML), Add	*24.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	387.31	97.98
		For Cement Mortar Lining (CML), Add	*23.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	436.35	103.42
		For Cement Mortar Lining (CML), Add	*27.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	484.25	108.67
		For Cement Mortar Lining (CML), Add	*31.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	454.33	100.70
		For Cement Mortar Lining (CML), Add	*30.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	513.41	108.84
		For Cement Mortar Lining (CML), Add	*34.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*62.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	621.10	114.28
		For Cement Mortar Lining (CML), Add	*44.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	663.91	119.54
		For Cement Mortar Lining (CML), Add	*48.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	635.59	124.97
		For Cement Mortar Lining (CML), Add	*44.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	674.96	126.83
		For Cement Mortar Lining (CML), Add	*48.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	746.95	132.27
		For Cement Mortar Lining (CML), Add	*54.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	938.51	137.52
		For Cement Mortar Lining (CML), Add	*73.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	1,001.14	142.95
		For Cement Mortar Lining (CML), Add	*78.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	973.12	151.98
		For Cement Mortar Lining (CML), Add	*74.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	853.48	152.13
		For Cement Mortar Lining (CML), Add	*62.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	915.34	157.58
		For Cement Mortar Lining (CML), Add	*67.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	1,055.90	162.82
		For Cement Mortar Lining (CML), Add	*80.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	1,150.83	168.25
		For Cement Mortar Lining (CML), Add	*89.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*161.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	1,372.71	177.25
		For Cement Mortar Lining (CML), Add	*110.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	1,308.57	189.92
		For Cement Mortar Lining (CML), Add	*102.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*183.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	1,177.30	194.70
		For Cement Mortar Lining (CML), Add	*88.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	1,258.64	200.13
		For Cement Mortar Lining (CML), Add	*95.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	1,356.69	205.38
		For Cement Mortar Lining (CML), Add	*104.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*188.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	1,454.17	210.82
		For Cement Mortar Lining (CML), Add	*113.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	1,497.55	219.81
		For Cement Mortar Lining (CML), Add	*116.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	1,597.47	232.47
		For Cement Mortar Lining (CML), Add	*124.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	1,861.76	253.73
		For Cement Mortar Lining (CML), Add	*147.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	1,415.83	279.20
		For Cement Mortar Lining (CML), Add	*99.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*178.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	1,446.18	284.64
		For Cement Mortar Lining (CML), Add	*101.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	1,565.47	289.89
		For Cement Mortar Lining (CML), Add	*112.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*202.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	1,684.21	295.32
		For Cement Mortar Lining (CML), Add	*123.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	1,707.18	304.31
		For Cement Mortar Lining (CML), Add	*124.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	1,736.55	316.96
		For Cement Mortar Lining (CML), Add	*125.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	2,153.00	338.24
		For Cement Mortar Lining (CML), Add	*164.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*295.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	1,938.21	380.51
		For Cement Mortar Lining (CML), Add	*136.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	1,744.92	363.44
		For Cement Mortar Lining (CML), Add	*119.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*214.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	1,768.46	369.40
		For Cement Mortar Lining (CML), Add	*120.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*217.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	1,932.82	374.13
		For Cement Mortar Lining (CML), Add	*136.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	1,979.29	379.56
		For Cement Mortar Lining (CML), Add	*140.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*252.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	2,208.81	388.56
		For Cement Mortar Lining (CML), Add	*162.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*291.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	2,376.73	401.20
		For Cement Mortar Lining (CML), Add	*176.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	2,684.38	422.49
		For Cement Mortar Lining (CML), Add	*204.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*367.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.32*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	2,973.65	464.74
		For Cement Mortar Lining (CML), Add	*226.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*408.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*170.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	2,789.27	506.88
		For Cement Mortar Lining (CML), Add	*202.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*363.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	2,930.16	428.74
		For Cement Mortar Lining (CML), Add	*228.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*410.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*171.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	3,078.36	433.98
		For Cement Mortar Lining (CML), Add	*242.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	3,226.85	439.42
		For Cement Mortar Lining (CML), Add	*256.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*460.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	3,439.37	448.42
		For Cement Mortar Lining (CML), Add	*276.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*496.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	3,671.03	596.61
		For Cement Mortar Lining (CML), Add	*297.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*535.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*222.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	3,774.68	482.35
		For Cement Mortar Lining (CML), Add	*304.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	3,938.15	524.61
		For Cement Mortar Lining (CML), Add	*314.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*565.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	4,145.62	566.72
		For Cement Mortar Lining (CML), Add	*328.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*591.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	5,141.27	596.61
		For Cement Mortar Lining (CML), Add	*423.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*762.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*317.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	3,051.11	423.31
		For Cement Mortar Lining (CML), Add	*240.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*433.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*180.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	3,557.93	475.61
		For Cement Mortar Lining (CML), Add	*283.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*510.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*212.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	3,934.78	480.86
		For Cement Mortar Lining (CML), Add	*320.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*577.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*240.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	4,140.21	486.30
		For Cement Mortar Lining (CML), Add	*340.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*612.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	4,290.69	495.28
		For Cement Mortar Lining (CML), Add	*354.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*637.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*265.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	4,445.01	507.95
		For Cement Mortar Lining (CML), Add	*367.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*661.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*275.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	4,739.05	529.22
		For Cement Mortar Lining (CML), Add	*393.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*708.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	5,065.72	571.47
		For Cement Mortar Lining (CML), Add	*419.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	5,595.34	613.59
		For Cement Mortar Lining (CML), Add	*466.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*839.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*349.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	6,168.54	667.01
		For Cement Mortar Lining (CML), Add	*519.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	7,160.29	667.01
		For Cement Mortar Lining (CML), Add	*614.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,106.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*461.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	7,930.12	512.50
		For Cement Mortar Lining (CML), Add	*715.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,287.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*536.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	8,088.24	521.49
		For Cement Mortar Lining (CML), Add	*729.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,313.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*547.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	8,966.75	534.14
		For Cement Mortar Lining (CML), Add	*815.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,468.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*611.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	8,412.50	555.41
		For Cement Mortar Lining (CML), Add	*757.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,362.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*567.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	8,476.52	597.67
		For Cement Mortar Lining (CML), Add	*757.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,362.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*567.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	8,678.89	639.79
		For Cement Mortar Lining (CML), Add	*770.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,387.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*578.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	10,471.84	669.73
		For Cement Mortar Lining (CML), Add	*945.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,702.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*709.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	10,904.30	693.17
		For Cement Mortar Lining (CML), Add	*985.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,773.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*739.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	11,521.70	706.28
		For Cement Mortar Lining (CML), Add	*1,045.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,881.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*783.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	9,318.52	554.25
		For Cement Mortar Lining (CML), Add	*847.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,526.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*635.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	9,485.14	563.24
		For Cement Mortar Lining (CML), Add	*863.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,553.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*647.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	9,721.06	575.89
		For Cement Mortar Lining (CML), Add	*884.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,592.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*663.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	9,969.21	597.17
		For Cement Mortar Lining (CML), Add	*906.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,631.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*679.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	10,249.98	639.42
		For Cement Mortar Lining (CML), Add	*928.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,670.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.09*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	10,342.69	681.54
		For Cement Mortar Lining (CML), Add	*931.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,675.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*698.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	12,529.20	711.47
		For Cement Mortar Lining (CML), Add	*1,145.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,061.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*858.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	14,247.70	734.91
		For Cement Mortar Lining (CML), Add	*1,313.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,364.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	14,933.95	748.01
		For Cement Mortar Lining (CML), Add	*1,380.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,484.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,035.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	15,187.44	768.92
		For Cement Mortar Lining (CML), Add	*1,402.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,524.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,051.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204		**Mechanical Joint Ductile Iron Wye (Laterals)** *(33 14 13 13-0002)*		
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	151.02	51.99
		For Cement Mortar Lining (CML), Add	*7.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*13.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	218.06	54.72
		For Cement Mortar Lining (CML), Add	*13.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	218.41	68.97
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	248.22	71.83
		For Cement Mortar Lining (CML), Add	*13.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	325.77	80.36
		For Cement Mortar Lining (CML), Add	*20.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	407.45	83.23
		For Cement Mortar Lining (CML), Add	*28.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	374.51	91.78
		For Cement Mortar Lining (CML), Add	*23.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	445.20	97.48
		For Cement Mortar Lining (CML), Add	*29.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	609.56	89.84
		For Cement Mortar Lining (CML), Add	*47.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	646.56	97.98
		For Cement Mortar Lining (CML), Add	*49.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	738.10	103.42
		For Cement Mortar Lining (CML), Add	*58.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	826.80	108.67
		For Cement Mortar Lining (CML), Add	*66.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	770.53	100.70
		For Cement Mortar Lining (CML), Add	*61.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	868.71	108.84
		For Cement Mortar Lining (CML), Add	*70.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,037.60	114.28
		For Cement Mortar Lining (CML), Add	*86.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,068.51	119.54
		For Cement Mortar Lining (CML), Add	*88.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*159.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	977.29	124.97
		For Cement Mortar Lining (CML), Add	*78.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,140.76	126.83
		For Cement Mortar Lining (CML), Add	*94.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*170.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,298.60	132.27
		For Cement Mortar Lining (CML), Add	*109.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.37*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,676.31	137.52
		For Cement Mortar Lining (CML), Add	*146.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,793.34	142.95
		For Cement Mortar Lining (CML), Add	*157.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*283.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,759.37	151.94
		For Cement Mortar Lining (CML), Add	*152.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,184.20	152.13
		For Cement Mortar Lining (CML), Add	*95.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,297.84	157.58
		For Cement Mortar Lining (CML), Add	*105.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*190.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,517.45	162.82
		For Cement Mortar Lining (CML), Add	*127.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*228.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,689.73	168.25
		For Cement Mortar Lining (CML), Add	*143.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*258.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,096.06	177.25
		For Cement Mortar Lining (CML), Add	*182.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*328.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,031.92	189.89
		For Cement Mortar Lining (CML), Add	*174.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*313.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,839.45	194.70
		For Cement Mortar Lining (CML), Add	*154.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*278.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,975.19	200.13
		For Cement Mortar Lining (CML), Add	*167.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*300.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,106.39	205.38
		For Cement Mortar Lining (CML), Add	*179.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*323.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.64*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,248.92	210.82
		For Cement Mortar Lining (CML), Add	*192.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*347.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,277.85	219.81
		For Cement Mortar Lining (CML), Add	*194.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,307.22	232.47
		For Cement Mortar Lining (CML), Add	*195.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*351.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	2,133.76	253.74
		For Cement Mortar Lining (CML), Add	*174.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*314.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,209.73	279.20
		For Cement Mortar Lining (CML), Add	*178.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,257.93	284.64
		For Cement Mortar Lining (CML), Add	*182.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*328.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,466.47	289.89
		For Cement Mortar Lining (CML), Add	*202.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,673.61	295.32
		For Cement Mortar Lining (CML), Add	*222.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*400.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,704.23	304.31
		For Cement Mortar Lining (CML), Add	*224.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*403.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,741.25	316.96
		For Cement Mortar Lining (CML), Add	*226.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*406.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,159.40	338.24
		For Cement Mortar Lining (CML), Add	*264.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*476.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*198.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,027.91	380.49
		For Cement Mortar Lining (CML), Add	*245.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*441.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,700.32	363.44
		For Cement Mortar Lining (CML), Add	*214.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*386.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,735.76	368.88
		For Cement Mortar Lining (CML), Add	*217.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*391.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*163.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,025.07	374.13
		For Cement Mortar Lining (CML), Add	*245.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*442.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,159.09	379.56
		For Cement Mortar Lining (CML), Add	*258.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*465.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,618.11	388.56
		For Cement Mortar Lining (CML), Add	*302.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*545.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*227.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,001.93	401.20
		For Cement Mortar Lining (CML), Add	*339.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,462.58	422.49
		For Cement Mortar Lining (CML), Add	*382.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*688.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*286.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	4,903.15	464.74
		For Cement Mortar Lining (CML), Add	*419.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	4,405.97	506.86
		For Cement Mortar Lining (CML), Add	*363.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*654.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*272.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,383.51	423.31
		For Cement Mortar Lining (CML), Add	*474.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*853.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	6,008.86	428.74
		For Cement Mortar Lining (CML), Add	*535.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*964.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*401.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,346.61	433.98
		For Cement Mortar Lining (CML), Add	*568.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,024.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.68*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,684.65	439.42
		For Cement Mortar Lining (CML), Add	*601.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,083.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*451.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,164.92	448.42
		For Cement Mortar Lining (CML), Add	*648.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,167.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*486.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	7,683.88	461.07
		For Cement Mortar Lining (CML), Add	*698.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,257.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*523.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	7,883.58	482.35
		For Cement Mortar Lining (CML), Add	*715.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,287.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*536.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	8,181.35	524.61
		For Cement Mortar Lining (CML), Add	*738.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,329.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*553.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	8,582.62	566.72
		For Cement Mortar Lining (CML), Add	*772.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,390.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*579.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	9,291.82	596.66
		For Cement Mortar Lining (CML), Add	*838.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,509.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*629.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	10,096.16	486.30
		For Cement Mortar Lining (CML), Add	*935.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,684.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*701.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	10,486.34	495.28
		For Cement Mortar Lining (CML), Add	*973.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,752.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*730.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	10,876.96	507.95
		For Cement Mortar Lining (CML), Add	*1,010.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,819.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*758.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	11,629.15	529.22
		For Cement Mortar Lining (CML), Add	*1,082.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,948.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*812.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	12,415.67	571.47
		For Cement Mortar Lining (CML), Add	*1,154.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,078.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*866.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	13,760.44	613.59
		For Cement Mortar Lining (CML), Add	*1,283.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,309.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*962.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	15,389.34	643.53
		For Cement Mortar Lining (CML), Add	*1,441.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,594.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,081.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	18,307.19	666.96
		For Cement Mortar Lining (CML), Add	*1,729.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,113.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,297.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	16,115.47	597.67
		For Cement Mortar Lining (CML), Add	*1,520.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,737.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,140.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	16,533.74	639.79
		For Cement Mortar Lining (CML), Add	*1,556.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,801.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,167.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	17,653.49	669.73
		For Cement Mortar Lining (CML), Add	*1,663.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,994.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,247.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	20,145.50	693.17
		For Cement Mortar Lining (CML), Add	*1,909.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,437.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,432.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	23,696.25	706.27
		For Cement Mortar Lining (CML), Add	*2,262.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,072.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,696.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	15,927.13	639.42
		For Cement Mortar Lining (CML), Add	*1,495.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,692.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,121.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,013.94	681.54
		For Cement Mortar Lining (CML), Add	*1,698.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,056.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,273.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,190.65	711.47
		For Cement Mortar Lining (CML), Add	*1,811.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,260.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,358.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	21,831.40	734.91
		For Cement Mortar Lining (CML), Add	*2,071.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,729.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,553.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	28,421.75	748.01
		For Cement Mortar Lining (CML), Add	*2,728.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,911.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,046.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	31,173.39	768.89
		For Cement Mortar Lining (CML), Add	*3,000.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,401.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,250.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	203.62	62.02
		For Cement Mortar Lining (CML), Add	*10.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	242.51	67.49
		For Cement Mortar Lining (CML), Add	*14.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	281.30	68.40
		For Cement Mortar Lining (CML), Add	*17.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	337.27	84.55
		For Cement Mortar Lining (CML), Add	*20.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	331.99	91.20
		For Cement Mortar Lining (CML), Add	*19.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	390.34	114.00
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	344.11	99.76
		For Cement Mortar Lining (CML), Add	*19.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	410.95	122.56
		For Cement Mortar Lining (CML), Add	*22.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	435.82	131.11
		For Cement Mortar Lining (CML), Add	*23.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	410.78	105.07
		For Cement Mortar Lining (CML), Add	*25.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.87*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	474.32	126.80
		For Cement Mortar Lining (CML), Add	*28.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	554.68	134.96
		For Cement Mortar Lining (CML), Add	*35.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	599.52	144.89
		For Cement Mortar Lining (CML), Add	*38.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	490.78	114.10
		For Cement Mortar Lining (CML), Add	*31.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	572.17	135.84
		For Cement Mortar Lining (CML), Add	*36.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*65.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	796.18	144.00
		For Cement Mortar Lining (CML), Add	*57.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	811.28	153.96
		For Cement Mortar Lining (CML), Add	*57.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	914.23	163.00
		For Cement Mortar Lining (CML), Add	*66.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	926.79	149.41
		For Cement Mortar Lining (CML), Add	*70.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	1,080.24	157.58
		For Cement Mortar Lining (CML), Add	*84.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	1,112.35	167.54
		For Cement Mortar Lining (CML), Add	*85.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	1,173.65	176.58
		For Cement Mortar Lining (CML), Add	*90.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.96*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	1,295.37	190.17
		For Cement Mortar Lining (CML), Add	*100.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*181.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	1,058.44	168.42
		For Cement Mortar Lining (CML), Add	*80.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	1,195.74	176.58
		For Cement Mortar Lining (CML), Add	*92.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	1,417.04	186.54
		For Cement Mortar Lining (CML), Add	*113.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	1,572.20	195.59
		For Cement Mortar Lining (CML), Add	*127.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	1,883.47	209.17
		For Cement Mortar Lining (CML), Add	*156.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	2,195.31	228.21
		For Cement Mortar Lining (CML), Add	*184.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*332.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	1,705.09	199.16
		For Cement Mortar Lining (CML), Add	*140.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*252.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	1,800.75	207.31
		For Cement Mortar Lining (CML), Add	*148.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*267.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	1,885.55	217.27
		For Cement Mortar Lining (CML), Add	*155.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*280.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	2,038.65	226.32
		For Cement Mortar Lining (CML), Add	*169.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*305.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	2,364.37	239.90
		For Cement Mortar Lining (CML), Add	*200.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*360.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	2,518.97	258.90
		For Cement Mortar Lining (CML), Add	*212.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*382.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	2,648.84	289.62
		For Cement Mortar Lining (CML), Add	*221.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*397.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	2,143.21	249.88
		For Cement Mortar Lining (CML), Add	*176.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*317.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	2,239.71	258.03
		For Cement Mortar Lining (CML), Add	*184.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*332.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	2,310.06	268.00
		For Cement Mortar Lining (CML), Add	*190.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	2,462.32	277.04
		For Cement Mortar Lining (CML), Add	*204.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*367.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	2,510.94	290.62
		For Cement Mortar Lining (CML), Add	*207.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	3,012.34	309.63
		For Cement Mortar Lining (CML), Add	*254.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*457.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	3,142.20	340.36
		For Cement Mortar Lining (CML), Add	*262.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*472.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	3,413.70	391.05
		For Cement Mortar Lining (CML), Add	*282.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	2,905.46	312.59
		For Cement Mortar Lining (CML), Add	*243.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*437.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	2,974.16	320.74
		For Cement Mortar Lining (CML), Add	*248.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*447.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.60*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	3,085.92	330.70
		For Cement Mortar Lining (CML), Add	*258.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*465.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	3,182.92	339.75
		For Cement Mortar Lining (CML), Add	*266.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	3,245.14	353.33
		For Cement Mortar Lining (CML), Add	*270.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*487.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*203.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	3,371.69	372.34
		For Cement Mortar Lining (CML), Add	*280.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*505.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	4,405.10	403.06
		For Cement Mortar Lining (CML), Add	*379.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*682.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	4,662.16	453.79
		For Cement Mortar Lining (CML), Add	*397.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*715.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*298.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	5,146.46	516.52
		For Cement Mortar Lining (CML), Add	*436.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*785.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*327.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	5,450.09	415.62
		For Cement Mortar Lining (CML), Add	*482.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*867.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	5,559.54	425.59
		For Cement Mortar Lining (CML), Add	*491.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*884.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	5,666.74	434.63
		For Cement Mortar Lining (CML), Add	*500.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*901.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	5,795.25	448.21
		For Cement Mortar Lining (CML), Add	*511.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*920.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*383.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	5,944.75	467.22
		For Cement Mortar Lining (CML), Add	*523.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*942.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*392.76*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	6,125.61	497.95
		For Cement Mortar Lining (CML), Add	*537.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*966.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*402.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	6,363.13	548.68
		For Cement Mortar Lining (CML), Add	*553.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*995.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*414.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	8,124.98	611.37
		For Cement Mortar Lining (CML), Add	*719.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,295.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*539.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	9,344.85	706.28
		For Cement Mortar Lining (CML), Add	*827.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,489.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*620.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	7,531.18	450.60
		For Cement Mortar Lining (CML), Add	*684.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,232.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*513.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	7,639.78	460.57
		For Cement Mortar Lining (CML), Add	*694.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,249.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*520.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	7,733.39	469.61
		For Cement Mortar Lining (CML), Add	*702.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,263.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*526.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	7,847.45	483.19
		For Cement Mortar Lining (CML), Add	*711.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,280.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*533.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	7,983.34	502.19
		For Cement Mortar Lining (CML), Add	*722.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,300.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*541.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	8,149.76	532.91
		For Cement Mortar Lining (CML), Add	*734.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,321.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*550.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	8,373.67	583.65
		For Cement Mortar Lining (CML), Add	*748.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,348.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	8,749.17	646.35
		For Cement Mortar Lining (CML), Add	*776.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,398.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*582.74*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	11,709.84	741.23
		For Cement Mortar Lining (CML), Add	*1,058.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,905.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*794.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	12,844.03	776.25
		For Cement Mortar Lining (CML), Add	*1,166.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,100.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*875.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	10,042.02	489.84
		For Cement Mortar Lining (CML), Add	*929.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,673.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*697.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	11,325.48	503.42
		For Cement Mortar Lining (CML), Add	*1,056.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,901.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*792.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	10,282.64	522.41
		For Cement Mortar Lining (CML), Add	*949.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,708.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*711.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	10,432.05	553.14
		For Cement Mortar Lining (CML), Add	*959.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,726.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*719.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	10,649.16	603.87
		For Cement Mortar Lining (CML), Add	*973.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,752.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*730.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	11,000.02	666.57
		For Cement Mortar Lining (CML), Add	*999.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,798.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*749.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	14,030.38	761.46
		For Cement Mortar Lining (CML), Add	*1,287.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,317.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*965.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	18,210.12	796.44
		For Cement Mortar Lining (CML), Add	*1,700.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,060.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,275.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	19,491.96	816.67
		For Cement Mortar Lining (CML), Add	*1,825.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,285.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,369.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	13,523.73	570.12
		For Cement Mortar Lining (CML), Add	*1,265.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,278.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*949.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	13,620.80	583.71
		For Cement Mortar Lining (CML), Add	*1,273.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,292.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*955.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	13,751.60	602.71
		For Cement Mortar Lining (CML), Add	*1,283.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,310.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*962.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	13,900.16	633.44
		For Cement Mortar Lining (CML), Add	*1,294.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,329.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*970.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	14,105.38	684.17
		For Cement Mortar Lining (CML), Add	*1,306.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,352.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*980.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	14,442.63	746.87
		For Cement Mortar Lining (CML), Add	*1,331.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,395.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*998.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	15,314.84	841.76
		For Cement Mortar Lining (CML), Add	*1,403.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,527.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,052.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	18,676.03	876.72
		For Cement Mortar Lining (CML), Add	*1,734.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,122.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,301.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	23,880.63	896.95
		For Cement Mortar Lining (CML), Add	*2,252.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,053.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,689.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	25,445.58	977.20
		For Cement Mortar Lining (CML), Add	*2,396.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,313.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,797.37*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	100.43	33.74
		For Cement Mortar Lining (CML), Add	*4.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	118.48	42.30
		For Cement Mortar Lining (CML), Add	*5.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	127.73	45.04
		For Cement Mortar Lining (CML), Add	*5.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	158.56	50.74
		For Cement Mortar Lining (CML), Add	*8.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	176.53	59.28
		For Cement Mortar Lining (CML), Add	*8.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	187.48	53.61
		For Cement Mortar Lining (CML), Add	*10.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	205.77	61.76
		For Cement Mortar Lining (CML), Add	*11.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	225.06	67.19
		For Cement Mortar Lining (CML), Add	*12.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	223.75	59.04
		For Cement Mortar Lining (CML), Add	*13.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	249.70	67.19
		For Cement Mortar Lining (CML), Add	*14.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	262.19	72.63
		For Cement Mortar Lining (CML), Add	*15.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	286.30	77.88
		For Cement Mortar Lining (CML), Add	*16.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	443.53	76.18
		For Cement Mortar Lining (CML), Add	*32.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	434.77	81.63
		For Cement Mortar Lining (CML), Add	*31.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	396.83	86.87
		For Cement Mortar Lining (CML), Add	*26.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	417.81	92.30
		For Cement Mortar Lining (CML), Add	*27.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	520.50	88.83
		For Cement Mortar Lining (CML), Add	*38.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	514.29	94.27
		For Cement Mortar Lining (CML), Add	*37.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	508.64	99.52
		For Cement Mortar Lining (CML), Add	*35.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	550.02	104.96
		For Cement Mortar Lining (CML), Add	*39.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	610.39	113.95
		For Cement Mortar Lining (CML), Add	*43.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	651.94	115.56
		For Cement Mortar Lining (CML), Add	*47.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	726.18	120.81
		For Cement Mortar Lining (CML), Add	*54.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	705.52	126.23
		For Cement Mortar Lining (CML), Add	*51.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	748.89	135.23
		For Cement Mortar Lining (CML), Add	*54.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	791.86	147.88
		For Cement Mortar Lining (CML), Add	*56.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	917.39	157.81
		For Cement Mortar Lining (CML), Add	*67.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*122.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.87*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	886.25	163.06
		For Cement Mortar Lining (CML), Add	*63.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	827.33	168.49
		For Cement Mortar Lining (CML), Add	*57.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	836.71	177.48
		For Cement Mortar Lining (CML), Add	*56.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	867.78	190.13
		For Cement Mortar Lining (CML), Add	*57.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,031.77	211.41
		For Cement Mortar Lining (CML), Add	*71.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,195.45	210.61
		For Cement Mortar Lining (CML), Add	*87.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,231.18	219.61
		For Cement Mortar Lining (CML), Add	*89.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*161.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,262.24	232.25
		For Cement Mortar Lining (CML), Add	*91.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,254.54	253.53
		For Cement Mortar Lining (CML), Add	*87.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,525.95	295.79
		For Cement Mortar Lining (CML), Add	*107.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,373.50	262.18
		For Cement Mortar Lining (CML), Add	*197.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,483.95	283.46
		For Cement Mortar Lining (CML), Add	*205.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.08*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,434.06	325.71
		For Cement Mortar Lining (CML), Add	*194.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*349.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,405.23	367.84
		For Cement Mortar Lining (CML), Add	*184.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*332.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,535.47	349.15
		For Cement Mortar Lining (CML), Add	*300.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*541.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,979.64	391.27
		For Cement Mortar Lining (CML), Add	*238.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*179.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,234.09	421.20
		For Cement Mortar Lining (CML), Add	*259.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*467.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,512.20	298.72
		For Cement Mortar Lining (CML), Add	*405.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*730.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*304.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,507.05	320.00
		For Cement Mortar Lining (CML), Add	*402.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*724.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,557.46	362.25
		For Cement Mortar Lining (CML), Add	*400.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*721.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*300.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,086.23	404.38
		For Cement Mortar Lining (CML), Add	*447.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*805.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,249.28	434.30
		For Cement Mortar Lining (CML), Add	*359.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*646.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,449.70	457.74
		For Cement Mortar Lining (CML), Add	*375.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*676.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*281.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,034.73	319.60
		For Cement Mortar Lining (CML), Add	*555.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*999.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*416.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,868.08	340.87
		For Cement Mortar Lining (CML), Add	*535.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*963.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*401.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,626.09	383.13
		For Cement Mortar Lining (CML), Add	*504.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*908.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*378.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,818.26	425.25
		For Cement Mortar Lining (CML), Add	*517.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*931.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*388.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,923.57	455.17
		For Cement Mortar Lining (CML), Add	*623.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,122.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*467.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,108.22	478.61
		For Cement Mortar Lining (CML), Add	*538.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*968.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*403.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,687.37	491.71
		For Cement Mortar Lining (CML), Add	*594.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,069.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*445.68*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	130.06	71.26
		For Cement Mortar Lining (CML), Add	*2.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	149.62	83.60
		For Cement Mortar Lining (CML), Add	*2.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	199.14	104.51
		For Cement Mortar Lining (CML), Add	*4.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	248.96	119.44
		For Cement Mortar Lining (CML), Add	*6.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	360.27	181.11
		For Cement Mortar Lining (CML), Add	*8.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	427.72	197.59
		For Cement Mortar Lining (CML), Add	*12.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	523.95	217.34
		For Cement Mortar Lining (CML), Add	*19.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	626.84	241.46
		For Cement Mortar Lining (CML), Add	*26.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	730.38	271.67
		For Cement Mortar Lining (CML), Add	*31.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	882.69	310.45
		For Cement Mortar Lining (CML), Add	*41.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*74.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	1,114.94	362.24
		For Cement Mortar Lining (CML), Add	*56.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	1,953.15	434.68
		For Cement Mortar Lining (CML), Add	*129.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	3,177.76	543.35
		For Cement Mortar Lining (CML), Add	*235.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	4,558.76	652.02
		For Cement Mortar Lining (CML), Add	*357.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*642.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	5,400.37	724.46
		For Cement Mortar Lining (CML), Add	*430.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*774.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*322.70*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0452 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	133.46	71.26
		For Cement Mortar Lining (CML), Add	*2.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	154.72	83.60
		For Cement Mortar Lining (CML), Add	*2.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	212.74	104.51
		For Cement Mortar Lining (CML), Add	*5.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.08*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	262.56	119.44
		For Cement Mortar Lining (CML), Add	*8.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	415.52	181.11
		For Cement Mortar Lining (CML), Add	*14.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	443.02	197.59
		For Cement Mortar Lining (CML), Add	*14.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	621.70	217.34
		For Cement Mortar Lining (CML), Add	*29.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	403.29	241.46
		For Cement Mortar Lining (CML), Add	*3.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	875.73	271.67
		For Cement Mortar Lining (CML), Add	*46.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*83.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	1,080.74	310.45
		For Cement Mortar Lining (CML), Add	*61.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	1,395.44	362.24
		For Cement Mortar Lining (CML), Add	*84.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*152.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	2,339.05	434.68
		For Cement Mortar Lining (CML), Add	*168.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*302.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	3,419.16	543.35
		For Cement Mortar Lining (CML), Add	*259.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*467.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	4,589.36	652.02
		For Cement Mortar Lining (CML), Add	*360.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*648.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*270.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	5,898.47	724.46
		For Cement Mortar Lining (CML), Add	*480.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*864.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.06*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0468 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0469	EA	3" Mechanical Joint Ductile Iron Long Sleeves	210.85	108.31
		For Cement Mortar Lining (CML), Add	*4.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint Ductile Iron Long Sleeves	245.26	125.41
		For Cement Mortar Lining (CML), Add	*5.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint Ductile Iron Long Sleeves	330.16	156.76
		For Cement Mortar Lining (CML), Add	*9.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint Ductile Iron Long Sleeves	423.58	179.13
		For Cement Mortar Lining (CML), Add	*15.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint Ductile Iron Long Sleeves	592.68	271.67
		For Cement Mortar Lining (CML), Add	*18.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	12" Mechanical Joint Ductile Iron Long Sleeves	693.85	296.38
		For Cement Mortar Lining (CML), Add	*24.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	14" Mechanical Joint Ductile Iron Long Sleeves	863.70	326.01
		For Cement Mortar Lining (CML), Add	*36.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,017.19	362.24
		For Cement Mortar Lining (CML), Add	*46.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint Ductile Iron Long Sleeves	1,216.69	407.51
		For Cement Mortar Lining (CML), Add	*59.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*107.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint Ductile Iron Long Sleeves	1,429.00	465.72
		For Cement Mortar Lining (CML), Add	*72.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	24" Mechanical Joint Ductile Iron Long Sleeves	1,776.11	543.35
		For Cement Mortar Lining (CML), Add	*95.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint Ductile Iron Long Sleeves	2,983.71	652.02
		For Cement Mortar Lining (CML), Add	*199.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.69*	
		Note: ANSI/AWWA C151/A21.51		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0481	EA	36" Mechanical Joint Ductile Iron Long Sleeves	4,037.34	815.02
		For Cement Mortar Lining (CML), Add	*280.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint Ductile Iron Long Sleeves	5,158.19	930.36
		For Cement Mortar Lining (CML), Add	*374.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*674.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*281.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint Ductile Iron Long Sleeves	6,912.27	1,086.70
		For Cement Mortar Lining (CML), Add	*526.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*947.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.93*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0485 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0484)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0486	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	17.00
33 14 13 13-0487	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	21.97
33 14 13 13-0488	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	26.55
33 14 13 13-0489	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	31.12
33 14 13 13-0490	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	43.03
33 14 13 13-0491	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	45.77
33 14 13 13-0492	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	75.07
33 14 13 13-0493	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	79.64
33 14 13 13-0494	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	106.19
33 14 13 13-0495	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	137.32
33 14 13 13-0496	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	191.33
33 14 13 13-0497	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	456.80
33 14 13 13-0498	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	985.01
33 14 13 13-0499	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,438.16
33 14 13 13-0500	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	1,764.97
33 14 13 13-0501	EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.	2,370.99

33 14 13 13-0502 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0484)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0503	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	28.90
33 14 13 13-0504	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	31.12
33 14 13 13-0505	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.36
33 14 13 13-0506	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	43.03
33 14 13 13-0507	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	59.50
33 14 13 13-0508	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	62.25
33 14 13 13-0509	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	94.29
33 14 13 13-0510	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	103.44
33 14 13 13-0511	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	137.32
33 14 13 13-0512	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	177.60
33 14 13 13-0513	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	248.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0514		**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0484)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0515	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	18.70	
33 14 13 13-0516	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	23.80	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0517	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	28.38	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0518	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	33.87	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0519	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	46.69	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0520	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	49.43	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	81.47	
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0522	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	86.05	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0523	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	116.26	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	149.22	
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0525	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	208.72	
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0526	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	499.83	
		Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0527	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,107.68	
		Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0528	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,603.85	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0529	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,973.69	
		Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0530	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	2,422.25	
		Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0531		**Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0002)*		
33 14 13 13-0532	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	219.35	108.31
		For Cement Mortar Lining (CML), Add	*5.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0533	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	249.51	125.41
		For Cement Mortar Lining (CML), Add	*5.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0534	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	319.96	156.76
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0535	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	396.38	179.13
		For Cement Mortar Lining (CML), Add	*12.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0536	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	629.23	271.67
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0537	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	727.85	296.38
		For Cement Mortar Lining (CML), Add	*27.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.91*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0538	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	936.80	326.01
		For Cement Mortar Lining (CML), Add	*44.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*79.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0539	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,054.59	362.24
		For Cement Mortar Lining (CML), Add	*50.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0540	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,390.94	407.51
		For Cement Mortar Lining (CML), Add	*77.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0541	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,627.05	465.72
		For Cement Mortar Lining (CML), Add	*92.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0542	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,958.01	543.35
		For Cement Mortar Lining (CML), Add	*113.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0543	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,076.36	652.02
		For Cement Mortar Lining (CML), Add	*208.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0544	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,227.74	815.02
		For Cement Mortar Lining (CML), Add	*299.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*538.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0545	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,583.95	931.43
		For Cement Mortar Lining (CML), Add	*417.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*751.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*312.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0546	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,872.32	1,086.70
		For Cement Mortar Lining (CML), Add	*522.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.94*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0547 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0548	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	129.97	54.32
33 14 13 13-0549	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	149.28	64.34
33 14 13 13-0550	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	185.12	79.63
33 14 13 13-0551	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	228.27	92.93
33 14 13 13-0552	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	330.88	135.84
33 14 13 13-0553	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	402.86	155.26
33 14 13 13-0554	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	463.47	167.12
33 14 13 13-0555	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	560.87	181.11
33 14 13 13-0556	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	713.46	217.34
33 14 13 13-0557	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	835.86	241.38
33 14 13 13-0558	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,071.00	278.50
33 14 13 13-0559	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	1,993.69	334.00
33 14 13 13-0560	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	2,464.26	417.97
33 14 13 13-0561	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	3,581.21	482.26
33 14 13 13-0562	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	4,587.24	620.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0563		**Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** *(33 14 13 13-0002)*		
33 14 13 13-0564	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	2,314.55	44.47
33 14 13 13-0565	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	2,413.79	55.57
33 14 13 13-0566	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,502.81	82.14
33 14 13 13-0567	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,755.03	97.42
33 14 13 13-0568	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	5,988.38	108.43
33 14 13 13-0569	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,980.12	127.19
33 14 13 13-0570	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,824.85	142.63
33 14 13 13-0571	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	11,620.95	163.00
33 14 13 13-0572	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	13,119.65	228.21
33 14 13 13-0573	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	17,641.21	285.26
33 14 13 13-0574	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	24,437.88	380.35
33 14 13 13-0575		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)*		
		Note: Includes machined bolts and gasket.		
33 14 13 13-0576	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	129.20	54.32
33 14 13 13-0577	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	163.56	64.34
33 14 13 13-0578	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	209.88	79.63
33 14 13 13-0579	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	240.41	92.93
33 14 13 13-0580	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	413.40	142.50
33 14 13 13-0581	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	468.52	162.88
33 14 13 13-0582		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)*		
		Note: Includes nuts, bolts and gasket.		
33 14 13 13-0583	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	177.71	54.32
33 14 13 13-0584	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	219.69	64.34
33 14 13 13-0585	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	300.12	79.63
33 14 13 13-0586	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	424.41	92.93
33 14 13 13-0587	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	618.26	142.50
33 14 13 13-0588	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	762.57	162.88
33 14 13 13-0589	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,142.65	175.33
33 14 13 13-0590	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	1,577.54	190.01
33 14 13 13-0591	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	1,789.91	228.01
33 14 13 13-0592	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	1,977.79	253.22
33 14 13 13-0593	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	2,386.58	292.18
33 14 13 13-0594	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	3,059.55	350.39
33 14 13 13-0595	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	4,533.49	438.48
33 14 13 13-0596	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	11,552.26	505.94
33 14 13 13-0597	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	14,797.94	650.69
33 14 13 13-0598		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)*		
		Note: .		
33 14 13 13-0599		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0600	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	228.03	31.00
33 14 13 13-0601	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	272.89	37.14
33 14 13 13-0602	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	422.06	54.41
33 14 13 13-0603	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	571.90	64.78
33 14 13 13-0604	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	775.90	72.45
33 14 13 13-0605	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	980.12	84.79
33 14 13 13-0606	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,379.96	95.50
33 14 13 13-0607	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,670.85	108.67
33 14 13 13-0608	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,029.93	152.30
33 14 13 13-0609	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,530.42	190.17
33 14 13 13-0610	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,569.54	253.56
33 14 13 13-0611	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,645.08	271.67
33 14 13 13-0612	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	8,252.39	282.38
33 14 13 13-0613	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	13,523.60	326.01
33 14 13 13-0614	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,648.74	346.59
33 14 13 13-0615		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0616	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	218.68	31.00
33 14 13 13-0617	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	256.74	37.14
33 14 13 13-0618	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	394.01	54.41
33 14 13 13-0619	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	528.55	64.78
33 14 13 13-0620	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	684.10	72.45
33 14 13 13-0621	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	897.67	84.79

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0622	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,203.16	95.50
33 14 13 13-0623	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,437.95	108.67
33 14 13 13-0624	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,712.88	152.30
33 14 13 13-0625	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,082.47	190.17
33 14 13 13-0626	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,745.89	253.56
33 14 13 13-0627	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,950.63	271.67
33 14 13 13-0628	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,796.34	282.38
33 14 13 13-0629	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,050.50	326.01
33 14 13 13-0630	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	12,829.24	346.59
33 14 13 13-0631		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	173.63	31.00
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	254.19	37.14
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	383.81	54.41
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	525.15	64.78
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	683.25	72.45
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	848.37	84.79
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,209.96	95.50
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,407.35	108.67
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,705.23	152.30
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,153.02	190.17
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,689.79	253.56
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,421.08	271.67
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,988.84	282.38
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,529.85	326.01
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,885.29	346.59
33 14 13 13-0647		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	173.63	31.00
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	300.94	37.14
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	387.21	54.41
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	509.85	64.78
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	681.55	72.45
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	825.42	84.79
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,299.21	95.50
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,449.00	108.67
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,946.63	152.30
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,079.92	190.17
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,690.64	253.56
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,477.18	271.67
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,828.19	282.38
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	8,300.35	326.01
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,824.09	346.59
33 14 13 13-0663		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	201.68	31.00
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	292.44	37.14
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	454.36	54.41
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	612.70	64.78
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	835.40	72.45
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,045.57	84.79
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,850.01	95.50
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,866.80	108.67
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,290.48	152.30
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,800.32	190.17
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,133.94	253.56
33 14 13 13-0675		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0598)*		
33 14 13 13-0676	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	201.68	31.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0677	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	260.13	37.14
33 14 13 13-0678	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	407.61	54.41
33 14 13 13-0679	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	570.20	64.78
33 14 13 13-0680	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	749.55	72.45
33 14 13 13-0681	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	970.77	84.79
33 14 13 13-0682	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,284.76	95.50
33 14 13 13-0683	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,540.80	108.67
33 14 13 13-0684	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,856.98	152.30
33 14 13 13-0685	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,013.22	190.17
33 14 13 13-0686	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,166.64	253.56

33 14 13 13-0687 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0598)*

33 14 13 13-0688	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	285.53	46.52
33 14 13 13-0689	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	312.36	52.44
33 14 13 13-0690	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	329.41	54.41
33 14 13 13-0691	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	464.91	68.97
33 14 13 13-0692	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	502.37	71.68
33 14 13 13-0693	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	532.32	80.32
33 14 13 13-0694	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	614.00	82.91
33 14 13 13-0695	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	665.21	91.55
33 14 13 13-0696	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	729.95	97.59
33 14 13 13-0697	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	813.56	89.74
33 14 13 13-0698	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	816.56	97.97
33 14 13 13-0699	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	883.45	103.73
33 14 13 13-0700	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	951.75	108.67
33 14 13 13-0701	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	975.38	100.44
33 14 13 13-0702	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	987.71	108.67
33 14 13 13-0703	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,066.50	114.43
33 14 13 13-0704	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,223.21	119.38
33 14 13 13-0705	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,228.89	125.13
33 14 13 13-0706	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,384.71	126.78
33 14 13 13-0707	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,495.80	132.54
33 14 13 13-0708	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,803.81	137.49
33 14 13 13-0709	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,902.99	143.24
33 14 13 13-0710	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,772.97	152.30
33 14 13 13-0711	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,656.73	152.30
33 14 13 13-0712	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,744.94	157.24
33 14 13 13-0713	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,080.15	163.00
33 14 13 13-0714	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,959.18	167.95
33 14 13 13-0715	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,534.66	177.00
33 14 13 13-0716	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,308.17	190.17
33 14 13 13-0717	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,172.65	195.11
33 14 13 13-0718	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,288.84	200.05
33 14 13 13-0719	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,435.34	204.99
33 14 13 13-0720	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,571.07	210.75
33 14 13 13-0721	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,643.35	219.81
33 14 13 13-0722	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,823.17	232.16
33 14 13 13-0723	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,148.66	253.56
33 14 13 13-0724	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,525.93	279.08
33 14 13 13-0725	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,569.03	284.85
33 14 13 13-0726	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,811.57	289.78
33 14 13 13-0727	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,945.61	295.55
33 14 13 13-0728	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,977.93	304.61
33 14 13 13-0729	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,948.65	316.95
33 14 13 13-0730	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,735.70	338.36
33 14 13 13-0731	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,231.91	380.35
33 14 13 13-0732	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,078.57	363.06
33 14 13 13-0733	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,108.91	369.64
33 14 13 13-0734	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,164.47	373.76
33 14 13 13-0735	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,245.79	379.52
33 14 13 13-0736	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,669.96	388.58
33 14 13 13-0737	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,825.98	400.93
33 14 13 13-0738	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,672.53	422.34
33 14 13 13-0739	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,838.55	465.14
33 14 13 13-0740	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,575.12	507.13
33 14 13 13-0741	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,280.66	423.15
33 14 13 13-0742	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,040.71	428.92
33 14 13 13-0743	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,318.11	433.85
33 14 13 13-0744	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,596.65	439.62
33 14 13 13-0745	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,992.77	448.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0746	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,421.63	596.87
33 14 13 13-0747	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,404.58	482.43
33 14 13 13-0748	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,418.45	524.41
33 14 13 13-0749	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,697.32	566.40
33 14 13 13-0750	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,954.77	596.87
33 14 13 13-0751	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,469.58	475.84
33 14 13 13-0752	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,094.63	480.79
33 14 13 13-0753	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,433.51	486.55
33 14 13 13-0754	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,675.79	495.60
33 14 13 13-0755	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,921.06	507.95
33 14 13 13-0756	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,391.90	529.36
33 14 13 13-0757	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,895.37	571.34
33 14 13 13-0758	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,738.64	613.33
33 14 13 13-0759	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,844.79	666.84
33 14 13 13-0760	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,306.59	666.84
33 14 13 13-0761	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,753.02	512.89
33 14 13 13-0762	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,008.89	521.12
33 14 13 13-0763	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,287.75	534.29
33 14 13 13-0764	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,259.70	555.70
33 14 13 13-0765	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,323.72	597.68
33 14 13 13-0766	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,574.04	639.67
33 14 13 13-0767	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,825.94	670.13
33 14 13 13-0768	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,062.55	693.19
33 14 13 13-0769	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,973.20	706.35
33 14 13 13-0770	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,851.17	554.05
33 14 13 13-0771	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,117.24	563.11
33 14 13 13-0772	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,495.11	576.28
33 14 13 13-0773	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,883.51	596.87
33 14 13 13-0774	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,306.23	639.67
33 14 13 13-0775	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,417.64	681.66
33 14 13 13-0776	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,618.15	711.30
33 14 13 13-0777	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,247.70	735.17
33 14 13 13-0778	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,783.15	748.34
33 14 13 13-0779	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	23,582.04	768.92

33 14 13 13-0780 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0598)*

33 14 13 13-0781	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	320.17	51.99
33 14 13 13-0782	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	349.92	51.99
33 14 13 13-0783	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	407.61	54.41
33 14 13 13-0784	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	453.86	68.97
33 14 13 13-0785	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	504.07	71.68
33 14 13 13-0786	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	613.07	80.32
33 14 13 13-0787	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	795.05	82.91
33 14 13 13-0788	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	740.01	91.55
33 14 13 13-0789	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	829.40	97.59
33 14 13 13-0790	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,152.71	89.74
33 14 13 13-0791	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,202.46	97.97
33 14 13 13-0792	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,342.45	103.73
33 14 13 13-0793	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,463.45	108.67
33 14 13 13-0794	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,402.93	100.44
33 14 13 13-0795	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,588.66	108.67
33 14 13 13-0796	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,874.00	114.43
33 14 13 13-0797	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,877.71	119.38
33 14 13 13-0798	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,738.89	125.13
33 14 13 13-0799	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,057.91	126.78
33 14 13 13-0800	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,360.25	132.54
33 14 13 13-0801	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,094.96	137.49
33 14 13 13-0802	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,317.39	143.24
33 14 13 13-0803	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,237.52	152.30
33 14 13 13-0804	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,150.65	152.30
33 14 13 13-0805	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,371.39	157.24
33 14 13 13-0806	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,805.20	163.00
33 14 13 13-0807	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,894.18	167.95
33 14 13 13-0808	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,572.51	177.00
33 14 13 13-0809	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,387.67	190.17
33 14 13 13-0810	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,039.65	195.11
33 14 13 13-0811	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,274.84	200.05
33 14 13 13-0812	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,502.09	204.99
33 14 13 13-0813	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,748.32	210.75
33 14 13 13-0814	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,789.15	219.81
33 14 13 13-0815	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,836.37	232.16
33 14 13 13-0816	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,493.76	253.56
33 14 13 13-0817	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,598.63	279.08
33 14 13 13-0818	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,677.43	284.85
33 14 13 13-0819	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,042.37	289.78
33 14 13 13-0820	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,404.21	295.55
33 14 13 13-0821	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,447.58	304.61
33 14 13 13-0822	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,499.05	316.95
33 14 13 13-0823	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,216.40	338.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0824	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,933.61	380.35
33 14 13 13-0825	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,371.42	363.06
33 14 13 13-0826	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,428.11	368.82
33 14 13 13-0827	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,935.87	373.76
33 14 13 13-0828	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,167.64	379.52
33 14 13 13-0829	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,972.61	388.58
33 14 13 13-0830	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,640.33	400.93
33 14 13 13-0831	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,433.33	422.34
33 14 13 13-0832	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,167.15	465.14
33 14 13 13-0833	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,233.92	507.13
33 14 13 13-0834	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,069.96	423.15
33 14 13 13-0835	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,174.71	428.92
33 14 13 13-0836	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,768.31	433.85
33 14 13 13-0837	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,363.05	439.62
33 14 13 13-0838	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,206.27	448.68
33 14 13 13-0839	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,113.68	461.03
33 14 13 13-0840	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,443.43	482.43
33 14 13 13-0841	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,923.10	524.41
33 14 13 13-0842	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,586.17	566.40
33 14 13 13-0843	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,811.32	596.87
33 14 13 13-0844	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,371.31	486.55
33 14 13 13-0845	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,053.89	495.60
33 14 13 13-0846	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,733.51	507.95
33 14 13 13-0847	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,045.00	529.36
33 14 13 13-0848	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,393.37	571.34
33 14 13 13-0849	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,733.49	613.33
33 14 13 13-0850	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,593.19	643.79
33 14 13 13-0851	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,751.64	666.84
33 14 13 13-0852	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,938.12	597.68
33 14 13 13-0853	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,631.79	639.67
33 14 13 13-0854	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,586.24	670.13
33 14 13 13-0855	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,988.20	693.19
33 14 13 13-0856	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,283.60	706.35
33 14 13 13-0857	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,554.28	639.67
33 14 13 13-0858	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,213.59	681.66
33 14 13 13-0859	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	33,269.20	711.30
33 14 13 13-0860	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,935.50	735.17
33 14 13 13-0861	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,632.65	748.34
33 14 13 13-0862	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	54,498.24	768.92

33 14 13 13-0863 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0598)*

33 14 13 13-0864	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	563.77	80.32
33 14 13 13-0865	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	697.51	91.55
33 14 13 13-0866	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	986.56	97.97
33 14 13 13-0867	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,133.91	108.67
33 14 13 13-0868	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,492.66	126.78
33 14 13 13-0869	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,817.45	152.30
33 14 13 13-0870	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,151.40	195.11
33 14 13 13-0871	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,899.08	279.08
33 14 13 13-0872	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,391.37	363.06
33 14 13 13-0873	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,078.81	423.15

33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0598)*

33 14 13 13-0875	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	322.62	62.02
33 14 13 13-0876	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	398.91	67.49
33 14 13 13-0877	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	492.10	68.23
33 14 13 13-0878	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	526.82	84.59
33 14 13 13-0879	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	613.34	91.55
33 14 13 13-0880	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	682.74	114.00
33 14 13 13-0881	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	652.66	100.18
33 14 13 13-0882	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	771.35	122.64
33 14 13 13-0883	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	767.32	131.28
33 14 13 13-0884	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	762.68	105.38
33 14 13 13-0885	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	858.52	126.78
33 14 13 13-0886	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,013.68	135.01
33 14 13 13-0887	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,097.62	144.89
33 14 13 13-0888	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	971.88	114.43

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0889	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,126.37	135.84
33 14 13 13-0890	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,221.18	144.07
33 14 13 13-0891	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,419.03	153.95
33 14 13 13-0892	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,615.48	163.00
33 14 13 13-0893	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,662.89	149.01
33 14 13 13-0894	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,964.24	157.24
33 14 13 13-0895	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,014.20	167.95
33 14 13 13-0896	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,125.65	176.18
33 14 13 13-0897	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,353.62	190.17
33 14 13 13-0898	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,861.69	168.77
33 14 13 13-0899	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,123.94	176.18
33 14 13 13-0900	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,551.29	186.88
33 14 13 13-0901	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,848.05	195.94
33 14 13 13-0902	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,449.17	209.10
33 14 13 13-0903	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,603.76	228.05
33 14 13 13-0904	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,179.84	199.22
33 14 13 13-0905	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,363.05	207.46
33 14 13 13-0906	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,520.95	217.34
33 14 13 13-0907	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,821.10	226.40
33 14 13 13-0908	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,467.27	239.56
33 14 13 13-0909	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,753.62	258.50
33 14 13 13-0910	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,971.04	289.78
33 14 13 13-0911	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,997.91	250.27
33 14 13 13-0912	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,182.81	257.67
33 14 13 13-0913	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,310.96	268.38
33 14 13 13-0914	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,608.57	277.43
33 14 13 13-0915	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,686.94	290.61
33 14 13 13-0916	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,684.74	309.54
33 14 13 13-0917	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,902.15	340.01
33 14 13 13-0918	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,378.50	391.05
33 14 13 13-0919	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,461.41	312.84
33 14 13 13-0920	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,588.76	321.07
33 14 13 13-0921	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,802.52	330.95
33 14 13 13-0922	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,987.07	340.01
33 14 13 13-0923	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,092.64	353.18
33 14 13 13-0924	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,322.04	372.12
33 14 13 13-0925	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,392.45	403.39
33 14 13 13-0926	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,839.06	453.61
33 14 13 13-0927	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,733.06	516.18
33 14 13 13-0928	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,448.04	415.74
33 14 13 13-0929	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,616.14	425.62
33 14 13 13-0930	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,781.14	434.68
33 14 13 13-0931	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,976.80	447.85
33 14 13 13-0932	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,201.95	467.61
33 14 13 13-0933	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,466.11	498.07
33 14 13 13-0934	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,803.08	548.29
33 14 13 13-0935	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,601.93	611.68
33 14 13 13-0936	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,490.75	706.35
33 14 13 13-0937	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,790.53	450.33
33 14 13 13-0938	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,956.93	460.20
33 14 13 13-0939	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,100.69	469.26
33 14 13 13-0940	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,272.55	483.25
33 14 13 13-0941	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,474.74	502.18
33 14 13 13-0942	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,715.96	532.65
33 14 13 13-0943	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,031.67	583.69
33 14 13 13-0944	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,581.42	646.25
33 14 13 13-0945	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,293.94	740.93
33 14 13 13-0946	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,100.48	776.33
33 14 13 13-0947	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,825.42	489.84
33 14 13 13-0948	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,156.24	503.01
33 14 13 13-0949	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,352.49	522.77
33 14 13 13-0950	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,626.00	553.23
33 14 13 13-0951	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,117.66	604.27
33 14 13 13-0952	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,141.72	666.84
33 14 13 13-0953	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,038.23	761.52
33 14 13 13-0954	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,784.97	796.09
33 14 13 13-0955	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,844.57	816.67
33 14 13 13-0956	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,397.28	570.51
33 14 13 13-0957	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,541.95	583.69
33 14 13 13-0958	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,735.65	602.62
33 14 13 13-0959	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,947.96	633.09
33 14 13 13-0960	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,233.08	684.13
33 14 13 13-0961	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,720.78	746.69
33 14 13 13-0962	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,046.04	841.37
33 14 13 13-0963	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,465.08	876.77
33 14 13 13-0964	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,886.93	897.35
33 14 13 13-0965	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,349.48	977.20

33 14 13 13-0966 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0598)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0967	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	225.38	33.74
33 14 13 13-0968	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	313.13	42.30
33 14 13 13-0969	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	343.63	44.91
33 14 13 13-0970	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	447.56	50.96
33 14 13 13-0971	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	468.08	59.59
33 14 13 13-0972	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	544.48	53.51
33 14 13 13-0973	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	572.12	61.75
33 14 13 13-0974	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	596.51	67.51
33 14 13 13-0975	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	628.35	59.28
33 14 13 13-0976	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	695.95	67.51
33 14 13 13-0977	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	709.29	72.45
33 14 13 13-0978	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	741.90	78.21
33 14 13 13-0979	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,076.78	76.56
33 14 13 13-0980	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,085.02	81.51
33 14 13 13-0981	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	951.03	87.27
33 14 13 13-0982	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	972.01	92.21
33 14 13 13-0983	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,289.75	88.91
33 14 13 13-0984	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,254.64	94.67
33 14 13 13-0985	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,182.69	99.62
33 14 13 13-0986	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,171.37	104.55
33 14 13 13-0987	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,322.69	113.61
33 14 13 13-0988	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,410.14	115.25
33 14 13 13-0989	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,586.38	121.02
33 14 13 13-0990	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,519.82	125.96
33 14 13 13-0991	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,810.54	135.01
33 14 13 13-0992	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,597.66	148.19
33 14 13 13-0993	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,879.59	158.07
33 14 13 13-0994	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,896.05	163.00
33 14 13 13-0995	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,730.88	168.77
33 14 13 13-0996	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,733.46	177.83
33 14 13 13-0997	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,698.23	190.17
33 14 13 13-0998	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,003.32	211.57
33 14 13 13-0999	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,372.70	210.75
33 14 13 13-1000	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,410.13	219.81
33 14 13 13-1001	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,456.49	232.16
33 14 13 13-1002	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,429.24	253.56
33 14 13 13-1003	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,803.50	295.55
33 14 13 13-1004	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,278.35	261.80
33 14 13 13-1005	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,464.45	283.20
33 14 13 13-1006	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,322.76	326.01
33 14 13 13-1007	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,701.48	367.99
33 14 13 13-1008	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,644.32	349.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1009	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,273.79	391.05
33 14 13 13-1010	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,631.94	421.51
33 14 13 13-1011	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,261.55	298.84
33 14 13 13-1012	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,222.40	320.25
33 14 13 13-1013	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,260.06	362.24
33 14 13 13-1014	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,595.03	404.22
33 14 13 13-1015	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,066.18	434.68
33 14 13 13-1016	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,395.80	457.73
33 14 13 13-1017	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,388.43	319.42
33 14 13 13-1018	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,065.38	340.83
33 14 13 13-1019	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,583.69	382.82
33 14 13 13-1020	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,876.16	425.62
33 14 13 13-1021	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,812.77	455.26
33 14 13 13-1022	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,250.27	478.32
33 14 13 13-1023	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,259.52	491.48

33 14 13 13-1024 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0598)*

33 14 13 13-1025	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	224.41	71.26
33 14 13 13-1026	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	269.47	83.77
33 14 13 13-1027	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	386.14	104.51
33 14 13 13-1028	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	508.21	119.19
33 14 13 13-1029	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	686.67	181.11
33 14 13 13-1030	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	851.87	197.59
33 14 13 13-1031	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	965.10	217.34
33 14 13 13-1032	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,164.04	241.21
33 14 13 13-1033	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,358.53	271.67
33 14 13 13-1034	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,630.69	310.37
33 14 13 13-1035	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,074.59	362.24
33 14 13 13-1036	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,663.35	434.68
33 14 13 13-1037	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	5,928.36	543.35
33 14 13 13-1038	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	8,484.91	652.02
33 14 13 13-1039	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	10,079.62	724.46

33 14 13 13-1040 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0598)*

33 14 13 13-1041	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	225.26	71.26
33 14 13 13-1042	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	277.97	83.77
33 14 13 13-1043	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	408.24	104.51
33 14 13 13-1044	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	530.31	119.19
33 14 13 13-1045	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	813.32	181.11
33 14 13 13-1046	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	880.77	197.59
33 14 13 13-1047	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,149.55	217.34
33 14 13 13-1048	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,377.39	241.21
33 14 13 13-1049	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,631.38	271.67
33 14 13 13-1050	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,999.59	310.37
33 14 13 13-1051	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,599.89	362.24
33 14 13 13-1052	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,389.25	434.68
33 14 13 13-1053	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	6,379.71	543.35
33 14 13 13-1054	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	8,541.86	652.02
33 14 13 13-1055	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	11,287.47	724.46

33 14 13 13-1056 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0598)*

33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	311.15	108.31
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	403.36	125.23
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	547.76	157.19
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	707.49	178.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,047.43	271.67
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,237.85	296.38
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,590.45	326.01
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,801.74	362.24
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,332.74	407.51
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,702.30	465.96
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,261.91	543.35
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,038.16	652.02
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,820.24	815.02
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,198.16	931.10
33 14 13 13-1071	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,399.42	1,086.70

33 14 13 13-1072 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0598)*

33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	321.35	108.31
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	390.61	125.23
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	562.21	157.19
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	746.59	178.78
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	993.03	271.67
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,186.85	296.38
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,481.65	326.01
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,743.94	362.24
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,070.94	407.51
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,407.35	465.96
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,991.61	543.35
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,897.91	652.02
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,351.89	815.02
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,208.84	930.28
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,058.17	1,086.70

33 14 13 13-1088 Push-On Joint Ductile Iron Piping *(33 14 13 13-0001)*

33 14 13 13-1089 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1088)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1090	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	23.75	7.13
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*9.07*	
		For Cement Mortar Lining (CML), Add	*1.30*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.00*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*0.97*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.19*	
		For Class 51, Add	*1.25*	
		For Class 52, Add	*2.80*	
		For Class 53, Add	*7.35*	
		For Class 54, Add	*10.47*	
		For Class 55, Add	*12.06*	
		For Class 56, Add	*13.62*	
33 14 13 13-1091	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	26.05	7.85
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*9.95*	
		For Cement Mortar Lining (CML), Add	*1.42*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*7.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*2.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.07*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.30*	
		For Class 51, Add	*1.38*	
		For Class 52, Add	*3.07*	
		For Class 53, Add	*8.06*	
		For Class 54, Add	*11.49*	
		For Class 55, Add	*13.23*	
		For Class 56, Add	*14.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1092	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	32.40	8.64
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*13.61*	
		For Cement Mortar Lining (CML), Add	*1.94*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*10.50*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.46*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.62*	
		For Class 51, Add	*1.84*	
		For Class 52, Add	*4.12*	
		For Class 53, Add	*10.90*	
		For Class 54, Add	*15.55*	
		For Class 55, Add	*17.89*	
		For Class 56, Add	*20.19*	
33 14 13 13-1093	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	45.95	12.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.45*	
		For Cement Mortar Lining (CML), Add	*2.74*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.71*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.06*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.30*	
		For Class 51, Add	*2.60*	
		For Class 52, Add	*5.81*	
		For Class 53, Add	*15.39*	
		For Class 54, Add	*21.94*	
		For Class 55, Add	*25.25*	
		For Class 56, Add	*28.49*	
33 14 13 13-1094	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	53.27	13.58
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.35*	
		For Cement Mortar Lining (CML), Add	*3.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.08*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.66*	
		For Class 51, Add	*3.08*	
		For Class 52, Add	*6.89*	
		For Class 53, Add	*18.29*	
		For Class 54, Add	*26.08*	
		For Class 55, Add	*30.00*	
		For Class 56, Add	*33.86*	
33 14 13 13-1095	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	64.79	15.32
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*18.33*	
		For Cement Mortar Lining (CML), Add	*4.17*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*14.16*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.24*	
		For Class 51, Add	*3.88*	
		For Class 52, Add	*8.71*	
		For Class 53, Add	*23.19*	
		For Class 54, Add	*33.08*	
		For Class 55, Add	*38.04*	
		For Class 56, Add	*42.92*	
33 14 13 13-1096	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	76.74	17.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*20.63*	
		For Cement Mortar Lining (CML), Add	*5.03*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*15.60*	
		For Fusion Bonded Epoxy Lining (206N), Add	*9.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.77*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.84*	
		For Class 51, Add	*4.67*	
		For Class 52, Add	*10.48*	
		For Class 53, Add	*27.95*	
		For Class 54, Add	*39.88*	
		For Class 55, Add	*45.85*	
		For Class 56, Add	*51.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1097	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	89.29	20.42
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.95*	
		For Cement Mortar Lining (CML), Add	*5.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.11*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.46*	
		For Class 51, Add	*5.43*	
		For Class 52, Add	*12.17*	
		For Class 53, Add	*32.46*	
		For Class 54, Add	*46.32*	
		For Class 55, Add	*53.25*	
		For Class 56, Add	*60.06*	
33 14 13 13-1098	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	103.13	24.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*25.11*	
		For Cement Mortar Lining (CML), Add	*6.61*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.51*	
		For Fusion Bonded Epoxy Lining (206N), Add	*11.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.96*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.16*	
		For Class 51, Add	*6.17*	
		For Class 52, Add	*13.82*	
		For Class 53, Add	*36.81*	
		For Class 54, Add	*52.50*	
		For Class 55, Add	*60.38*	
		For Class 56, Add	*68.11*	
33 14 13 13-1099	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	130.43	30.55
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*26.06*	
		For Cement Mortar Lining (CML), Add	*8.41*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.66*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.31*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.52*	
		For Class 51, Add	*7.84*	
		For Class 52, Add	*17.56*	
		For Class 53, Add	*46.80*	
		For Class 54, Add	*66.76*	
		For Class 55, Add	*76.76*	
		For Class 56, Add	*86.59*	
33 14 13 13-1100	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	154.05	32.60
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*32.44*	
		For Cement Mortar Lining (CML), Add	*10.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.85*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.70*	
		For Class 51, Add	*9.65*	
		For Class 52, Add	*21.65*	
		For Class 53, Add	*57.93*	
		For Class 54, Add	*82.67*	
		For Class 55, Add	*95.02*	
		For Class 56, Add	*107.15*	
33 14 13 13-1101	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	190.29	34.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.71*	
		For Cement Mortar Lining (CML), Add	*13.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.33*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.51*	
		For Class 51, Add	*12.55*	
		For Class 52, Add	*28.19*	
		For Class 53, Add	*75.80*	
		For Class 54, Add	*108.21*	
		For Class 55, Add	*124.31*	
		For Class 56, Add	*140.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1102	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	231.25	36.71
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*54.46*	
		For Cement Mortar Lining (CML), Add	*17.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.18*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.56*	
		For Class 51, Add	*15.86*	
		For Class 52, Add	*35.66*	
		For Class 53, Add	*96.23*	
		For Class 54, Add	*137.42*	
		For Class 55, Add	*157.81*	
		For Class 56, Add	*177.83*	
33 14 13 13-1103	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	277.71	38.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*67.89*	
		For Cement Mortar Lining (CML), Add	*21.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.43*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.89*	
		For Class 51, Add	*19.63*	
		For Class 52, Add	*44.20*	
		For Class 53, Add	*119.57*	
		For Class 54, Add	*170.78*	
		For Class 55, Add	*196.07*	
		For Class 56, Add	*220.89*	
33 14 13 13-1104	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	351.05	40.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*89.68*	
		For Cement Mortar Lining (CML), Add	*28.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.70*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-17.55*	
		For Class 51, Add	*25.74*	
		For Class 52, Add	*57.99*	
		For Class 53, Add	*157.35*	
		For Class 54, Add	*224.81*	
		For Class 55, Add	*258.01*	
		For Class 56, Add	*290.60*	

33 14 13 13-1105 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1088)*

33 14 13 13-1106	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	150.96	27.81
		For Cement Mortar Lining (CML), Add	*10.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	219.05	41.03
		For Cement Mortar Lining (CML), Add	*15.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	291.43	48.71
		For Cement Mortar Lining (CML), Add	*21.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	440.98	54.17
		For Cement Mortar Lining (CML), Add	*32.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	566.54	63.56
		For Cement Mortar Lining (CML), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.64*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1111	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,101.85	71.30
		For Cement Mortar Lining (CML), Add	*95.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1112	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	1,245.91	81.51
		For Cement Mortar Lining (CML), Add	*107.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*193.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1113	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	1,936.17	114.10
		For Cement Mortar Lining (CML), Add	*170.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*306.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1114	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	2,181.71	143.82
		For Cement Mortar Lining (CML), Add	*189.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1115	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	2,724.27	179.80
		For Cement Mortar Lining (CML), Add	*236.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*425.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1116		Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1088)*		
33 14 13 13-1117	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	126.21	27.81
		For Cement Mortar Lining (CML), Add	*8.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1118	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	185.78	41.03
		For Cement Mortar Lining (CML), Add	*12.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1119	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	255.63	48.71
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1120	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	391.56	54.17
		For Cement Mortar Lining (CML), Add	*27.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1121	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	503.57	63.56
		For Cement Mortar Lining (CML), Add	*37.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1122	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	708.59	71.30
		For Cement Mortar Lining (CML), Add	*56.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,040.00	81.51
		For Cement Mortar Lining (CML), Add	*87.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.37*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,203.63	114.10
		For Cement Mortar Lining (CML), Add	*96.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*174.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,680.17	143.82
		For Cement Mortar Lining (CML), Add	*139.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*250.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,085.48	179.80
		For Cement Mortar Lining (CML), Add	*172.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127		Push-On Joint Ductile Iron Tee *(33 14 13 13-1088)*		
33 14 13 13-1128	EA	4" Tee, Push-On Joint Ductile Iron	230.45	41.03
		For Cement Mortar Lining (CML), Add	*16.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129	EA	6" Tee, Push-On Joint Ductile Iron	321.62	60.29
		For Cement Mortar Lining (CML), Add	*23.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130	EA	8" Tee, Push-On Joint Ductile Iron	437.22	73.07
		For Cement Mortar Lining (CML), Add	*32.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131	EA	10" Tee, Push-On Joint Ductile Iron	637.11	82.33
		For Cement Mortar Lining (CML), Add	*51.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132	EA	12" Tee, Push-On Joint Ductile Iron	791.79	94.92
		For Cement Mortar Lining (CML), Add	*64.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133	EA	14" Tee, Push-On Joint Ductile Iron	1,265.47	114.10
		For Cement Mortar Lining (CML), Add	*109.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134	EA	16" Tee, Push-On Joint Ductile Iron	1,823.59	142.67
		For Cement Mortar Lining (CML), Add	*160.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135	EA	18" Tee, Push-On Joint Ductile Iron	2,294.82	190.34
		For Cement Mortar Lining (CML), Add	*200.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1136	EA	20" Tee, Push-On Joint Ductile Iron	2,706.23	232.24
		For Cement Mortar Lining (CML), Add	*235.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1137	EA	24" Tee, Push-On Joint Ductile Iron	3,541.04	290.28
		For Cement Mortar Lining (CML), Add	*310.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*558.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1138		**Flanged End x Push-On Joint Ductile Iron Adapters** *(33 14 13 13-1088)*		
33 14 13 13-1139	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	255.00	96.47
		For Cement Mortar Lining (CML), Add	*10.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1140	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	312.89	119.44
		For Cement Mortar Lining (CML), Add	*13.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1141	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	400.75	139.31
		For Cement Mortar Lining (CML), Add	*18.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1142	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	556.08	203.76
		For Cement Mortar Lining (CML), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1143	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	666.15	232.90
		For Cement Mortar Lining (CML), Add	*31.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1144	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	759.26	250.76
		For Cement Mortar Lining (CML), Add	*37.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1145	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	889.86	271.67
		For Cement Mortar Lining (CML), Add	*47.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1146	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,054.63	326.01
		For Cement Mortar Lining (CML), Add	*56.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*100.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1147	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,216.71	362.24
		For Cement Mortar Lining (CML), Add	*66.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	1,507.28	417.97
		For Cement Mortar Lining (CML), Add	*87.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	2,328.53	501.53
		For Cement Mortar Lining (CML), Add	*156.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.65*	
		Note: ANSI/AWWA C151/A21.51		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1150	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	3,188.03	626.91
		For Cement Mortar Lining (CML), Add	*223.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*402.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	3,995.75	724.46
		For Cement Mortar Lining (CML), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*521.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	5,103.24	931.43
		For Cement Mortar Lining (CML), Add	*369.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	6,177.94	1,086.95
		For Cement Mortar Lining (CML), Add	*453.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*815.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.82*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1154 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1088)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1155	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	32.30	10.45
33 14 13 13-1156	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	35.88	10.45
33 14 13 13-1157	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	48.04	14.81
33 14 13 13-1158	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.71	16.30
33 14 13 13-1159	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	68.64	18.11
33 14 13 13-1160	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	86.59	20.34
33 14 13 13-1161	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	102.14	23.30
33 14 13 13-1162	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.06	27.17
33 14 13 13-1163	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	137.77	32.60
33 14 13 13-1164	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	163.03	32.60
33 14 13 13-1165	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	215.64	40.75
33 14 13 13-1166	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	274.29	40.75
33 14 13 13-1167	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	352.85	54.33
33 14 13 13-1168	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	404.97	54.33
33 14 13 13-1169	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	549.20	54.33

33 14 13 13-1170 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1088)*

33 14 13 13-1171	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	152.22	55.57
33 14 13 13-1172	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	197.87	67.84
33 14 13 13-1173	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	252.47	82.74
33 14 13 13-1174	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	368.74	100.93
33 14 13 13-1175	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	456.37	123.08
33 14 13 13-1176	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	755.93	150.16
33 14 13 13-1177	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	868.91	183.25
33 14 13 13-1178	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	994.23	223.51
33 14 13 13-1179	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,335.81	272.75
33 14 13 13-1180	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	1,696.36	332.67
33 14 13 13-1181	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	2,843.92	405.95
33 14 13 13-1182	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	3,994.97	495.19
33 14 13 13-1183	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	7,109.60	604.19
33 14 13 13-1184	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	9,175.45	737.06

33 14 13 13-1185 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1186 Ductile Iron Pipe Repair *(33 14 13 13-1185)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

33 14 13 13-1187	EA	30" Diameter Mechanical Ductile Iron Push Joint	2,344.19	
33 14 13 13-1188	EA	36" Diameter Mechanical Ductile Iron Push Joint	2,968.06	
33 14 13 13-1189	EA	42" Diameter Mechanical Ductile Iron Push Joint	3,741.22	
33 14 13 13-1190	EA	48" Diameter Mechanical Ductile Iron Push Joint	4,692.31	
33 14 13 13-1191	EA	54" Diameter Mechanical Ductile Iron Push Joint	6,779.06	

33 14 13 13-1192 WEKO Seals *(33 14 13 13-1185)*

Note: Internal joint seal.

33 14 13 13-1193	EA	16" WEKO Internal Joint Seal	1,283.13	152.31
		For Extra Wide Seals, Add	*81.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1194	EA	18" WEKO Internal Joint Seal	1,366.74	160.83
		For Extra Wide Seals, Add	*82.19*	
33 14 13 13-1195	EA	20" WEKO Internal Joint Seal	1,450.25	169.35
		For Extra Wide Seals, Add	*82.83*	
33 14 13 13-1196	EA	24" WEKO Internal Joint Seal	1,537.10	182.90
		For Extra Wide Seals, Add	*83.86*	
33 14 13 13-1197	EA	30" WEKO Internal Joint Seal	1,588.08	196.44
		For Extra Wide Seals, Add	*84.88*	
33 14 13 13-1198	EA	36" WEKO Internal Joint Seal	1,667.49	213.38
		For Extra Wide Seals, Add	*86.16*	
33 14 13 13-1199	EA	42" WEKO Internal Joint Seal	1,778.95	233.70
		For Extra Wide Seals, Add	*87.71*	
33 14 13 13-1200	EA	48" WEKO Internal Joint Seal	1,921.10	250.63
		For Extra Wide Seals, Add	*88.99*	
33 14 13 13-1201	EA	54" WEKO Internal Joint Seal	1,993.61	264.19
		For Extra Wide Seals, Add	*90.01*	
33 14 13 13-1202	EA	60" WEKO Internal Joint Seal	2,079.97	284.51
		For Extra Wide Seals, Add	*91.55*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.77	0.65
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.02*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.95	0.70
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.03*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.22	0.76
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.53	0.84
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.14	0.94
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.12*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.92	1.07
		For >1,000, Deduct	*-0.20*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.19*	
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.69	1.20
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.25*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.46	1.47
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.42*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.72	1.88
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.90*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	16.71	2.59
		For >1,000, Deduct	*-0.84*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.53*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	24.56	3.47
		For >1,000, Deduct	*-1.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.38*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	34.06	4.66
		For >1,000, Deduct	*-1.70*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.36*	

33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0001)*

33 14 13 23-0016	EA	3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	19.65	7.79
33 14 13 23-0017	EA	1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	24.77	9.74
33 14 13 23-0018	EA	1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	31.11	12.18
33 14 13 23-0019	EA	1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	42.51	13.47
33 14 13 23-0020	EA	2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	46.40	15.09
33 14 13 23-0021	EA	2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	54.31	17.13
33 14 13 23-0022	EA	3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	60.91	19.23
33 14 13 23-0023	EA	4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	81.88	23.62
33 14 13 23-0024	EA	6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	114.39	30.00
33 14 13 23-0025	EA	8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	177.09	39.39
33 14 13 23-0026	EA	10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	221.51	52.70
33 14 13 23-0027	EA	12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	293.93	70.93

33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0001)*

33 14 13 23-0029	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	19.88	7.79
33 14 13 23-0030	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	24.94	9.74
33 14 13 23-0031	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	31.21	12.18
33 14 13 23-0032	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	39.43	13.47
33 14 13 23-0033	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	46.69	15.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0034	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	55.48	17.13
33 14 13 23-0035	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	60.42	19.23
33 14 13 23-0036	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	80.82	23.62
33 14 13 23-0037	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	112.25	30.00
33 14 13 23-0038	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	173.00	39.39
33 14 13 23-0039	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	204.58	52.70
33 14 13 23-0040	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	270.50	70.93
33 14 13 23-0041		**Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0042	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	29.45	11.68
33 14 13 23-0043	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	37.11	14.69
33 14 13 23-0044	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	46.45	18.34
33 14 13 23-0045	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	59.97	20.29
33 14 13 23-0046	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	67.85	22.57
33 14 13 23-0047	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	78.47	25.72
33 14 13 23-0048	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	92.69	28.77
33 14 13 23-0049	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	119.67	35.46
33 14 13 23-0050	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	186.39	45.07
33 14 13 23-0051	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	271.93	59.08
33 14 13 23-0052	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	333.46	83.25
33 14 13 23-0053	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	423.98	112.02
33 14 13 23-0054		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0055	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	13.14	5.20
33 14 13 23-0056	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	17.70	6.98
33 14 13 23-0057	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	23.50	9.17
33 14 13 23-0058	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	30.47	10.15
33 14 13 23-0059	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.71	11.28
33 14 13 23-0060	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	38.35	12.83
33 14 13 23-0061	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	43.76	14.39
33 14 13 23-0062	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	58.29	17.70
33 14 13 23-0063	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	80.87	22.54
33 14 13 23-0064	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	129.81	29.53
33 14 13 23-0065	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	160.09	41.67
33 14 13 23-0066	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	206.63	56.02
33 14 13 23-0067		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0068		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)*		
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.89	0.65
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.04*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.17	0.70
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.74	0.84
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.09*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.22	0.94
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.05	1.07
		For >1,000, Deduct	*-0.20*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.21*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.77	1.20
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.24	1.47
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.38*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	9.14	1.88
		For >1,000, Deduct	*-0.46*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.67*	
33 14 13 23-0077		**90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0078	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	19.73	7.79
33 14 13 23-0079	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	24.82	9.74
33 14 13 23-0080	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.45	13.47
33 14 13 23-0081	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	38.74	15.09
33 14 13 23-0082	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	45.70	17.13
33 14 13 23-0083	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	51.49	19.23
33 14 13 23-0084	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	66.12	23.62
33 14 13 23-0085	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	97.51	30.00
33 14 13 23-0086		**45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0087	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	19.71	7.79
33 14 13 23-0088	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	24.80	9.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0089	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.45	13.47
33 14 13 23-0090	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	38.66	15.09
33 14 13 23-0091	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	45.48	17.13
33 14 13 23-0092	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	51.24	19.23
33 14 13 23-0093	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.60	23.62
33 14 13 23-0094	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	95.85	30.00
33 14 13 23-0095		**Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0096	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	29.54	11.68
33 14 13 23-0097	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	37.18	14.69
33 14 13 23-0098	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	51.56	20.29
33 14 13 23-0099	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	57.82	22.57
33 14 13 23-0100	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	68.70	25.72
33 14 13 23-0101	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	78.31	28.77
33 14 13 23-0102	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	97.05	35.46
33 14 13 23-0103	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	147.86	45.07
33 14 13 23-0104		**Couplings, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	13.18	5.20
33 14 13 23-0106	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	17.74	6.98
33 14 13 23-0107	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	25.72	10.15
33 14 13 23-0108	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	28.90	11.28
33 14 13 23-0109	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	33.57	12.83
33 14 13 23-0110	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	38.23	14.39
33 14 13 23-0111	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	47.26	17.70
33 14 13 23-0112	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	66.54	22.54
33 14 13 23-0113		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	39.47	15.59
33 14 13 23-0115	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	49.51	19.56
33 14 13 23-0116	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	68.74	27.03
33 14 13 23-0117	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	77.09	30.11
33 14 13 23-0118	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	91.56	34.25
33 14 13 23-0119	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	104.36	38.39
33 14 13 23-0120	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	129.36	47.23
33 14 13 23-0121	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	196.93	60.08
33 14 13 23-0122		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0123		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.30	0.70
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.00	0.84
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.66	0.94
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.61	1.07
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.29*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.57	1.20
		For >1,000, Deduct	*-0.28*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.39*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.46	1.47
		For >1,000, Deduct	*-0.37*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.57*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.86	1.88
		For >1,000, Deduct	*-0.59*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.08*	
33 14 13 23-0131		**90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	25.49	9.74
33 14 13 23-0133	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	34.45	13.47
33 14 13 23-0134	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	39.42	15.09
33 14 13 23-0135	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	47.14	17.13
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	52.83	19.23
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.44	23.62
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	95.99	30.00
33 14 13 23-0139		**45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	28.26	9.74
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	37.11	13.47
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	41.98	15.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	51.95	17.13
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	59.09	19.23
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	79.03	23.62
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	95.15	30.00
33 14 13 23-0147		**Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	38.60	14.69
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.87	20.29
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	62.95	22.57
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	71.41	25.72
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	80.90	28.77
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	98.92	35.46
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	147.79	45.07
33 14 13 23-0155		**Couplings, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	18.75	6.98
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.46	10.15
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	30.54	11.28
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	37.78	12.83
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.46	14.39
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	52.41	17.70
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	73.73	22.54
33 14 13 23-0163		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	51.39	19.56
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.45	27.03
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	83.90	30.11
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	95.17	34.25
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	107.81	38.39
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	131.85	47.23
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	196.84	60.08
33 14 13 23-0171		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0172		**AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0173	LF	4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	7.62	2.81
33 14 13 23-0174	LF	6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	10.89	3.40
33 14 13 23-0175	LF	8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	14.69	3.82
33 14 13 23-0176	LF	10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	19.13	4.25
33 14 13 23-0177	LF	12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	24.55	4.76
33 14 13 23-0178		**AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0179	LF	4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	8.33	2.81
33 14 13 23-0180	LF	6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	12.38	3.40
33 14 13 23-0181	LF	8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.20	3.82
33 14 13 23-0182	LF	10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.03	4.25
33 14 13 23-0183	LF	12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	30.00	4.76
33 14 13 23-0184		**AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0185	LF	4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	9.04	2.81
33 14 13 23-0186	LF	6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	13.86	3.40
33 14 13 23-0187	LF	8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	19.71	3.82
33 14 13 23-0188	LF	10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	26.85	4.25
33 14 13 23-0189	LF	12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	35.44	4.76
33 14 13 23-0190		**AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0191	LF	18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	31.05	7.15
33 14 13 23-0192	LF	20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	37.66	8.50
33 14 13 23-0193	LF	24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	49.58	10.20
33 14 13 23-0194	LF	30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	69.40	11.90
33 14 13 23-0195	LF	36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	93.59	13.60
33 14 13 23-0196	LF	42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	116.40	14.45
33 14 13 23-0197	LF	48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	145.24	15.55
33 14 13 23-0198		**AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0199	LF	14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	22.93	5.36
33 14 13 23-0200	LF	16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.21	5.95
33 14 13 23-0201	LF	18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	34.82	7.15
33 14 13 23-0202	LF	20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	42.56	8.50
33 14 13 23-0203	LF	24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	57.14	10.20
33 14 13 23-0204	LF	30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	80.25	11.90

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33 14 13 23-0205	LF	36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	108.10	13.60
33 14 13 23-0206	LF	42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	140.54	14.45
33 14 13 23-0207	LF	48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	176.57	15.55
33 14 13 23-0208		**AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0209	LF	14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	25.84	5.36
33 14 13 23-0210	LF	16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	32.24	5.95
33 14 13 23-0211	LF	18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	39.83	7.15
33 14 13 23-0212	LF	20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	49.06	8.50
33 14 13 23-0213	LF	24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	66.47	10.20
33 14 13 23-0214	LF	30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	94.26	11.90
33 14 13 23-0215	LF	36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	128.56	13.60
33 14 13 23-0216	LF	42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	164.78	14.45
33 14 13 23-0217	LF	48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	208.20	15.55
33 14 13 23-0218		**AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0219	LF	14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	30.80	5.36
33 14 13 23-0220	LF	16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	38.14	5.95
33 14 13 23-0221	LF	18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	47.42	7.15
33 14 13 23-0222	LF	20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	58.23	8.50
33 14 13 23-0223	LF	24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	79.69	10.20
33 14 13 23-0224	LF	30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	115.01	11.90
33 14 13 23-0225	LF	36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	160.47	13.60
33 14 13 23-0226	LF	42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	211.57	14.45
33 14 13 23-0227	LF	48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	270.98	15.55
33 14 13 23-0228		**AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0229	LF	14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	34.53	5.36
33 14 13 23-0230	LF	16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	42.99	5.95
33 14 13 23-0231	LF	18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	53.54	7.15
33 14 13 23-0232	LF	20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	65.86	8.50
33 14 13 23-0233	LF	24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	90.66	10.20
33 14 13 23-0234	LF	30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	131.88	11.90
33 14 13 23-0235	LF	36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	185.12	13.60
33 14 13 23-0236	LF	42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	245.36	14.45
33 14 13 23-0237		**AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0238	LF	14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	38.17	5.36
33 14 13 23-0239	LF	16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	47.72	5.95
33 14 13 23-0240	LF	18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	59.50	7.15
33 14 13 23-0241	LF	20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	73.28	8.50
33 14 13 23-0242	LF	24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	101.33	10.20
33 14 13 23-0243	LF	30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	148.30	11.90
33 14 13 23-0244	LF	36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	209.11	13.60
33 14 13 23-0245		**AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)* Note: Includes rubber gaskets.		
33 14 13 23-0246		**90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0247	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	139.01	9.74
		For DR 25, Deduct	*-7.17*	
33 14 13 23-0248	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	282.83	10.96
		For DR 25, Deduct	*-15.65*	
33 14 13 23-0249	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	423.99	12.18
		For DR 25, Deduct	*-23.98*	
33 14 13 23-0250	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	647.87	19.45
		For DR 25, Deduct	*-36.54*	
33 14 13 23-0251	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	729.14	32.42
		For DR 25, Deduct	*-39.86*	
33 14 13 23-0252	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,266.67	40.53
		For DR 25, Deduct	*-71.14*	
33 14 13 23-0253	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,511.68	48.63
		For DR 25, Deduct	*-84.86*	
33 14 13 23-0254	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,590.16	64.84
		For DR 25, Deduct	*-147.63*	
33 14 13 23-0255	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,188.83	81.06
		For DR 25, Deduct	*-181.60*	
33 14 13 23-0256	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,288.24	109.43
		For DR 25, Deduct	*-304.16*	
33 14 13 23-0257		**45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0258	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	123.40	9.74
		For DR 25, Deduct	*-6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0259	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	212.05	10.96
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0260	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	268.38	12.18
		For DR 25, Deduct	*-14.64*	
33 14 13 23-0261	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	380.24	19.45
		For DR 25, Deduct	*-20.48*	
33 14 13 23-0262	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	509.70	32.42
		For DR 25, Deduct	*-26.69*	
33 14 13 23-0263	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	975.39	40.53
		For DR 25, Deduct	*-53.66*	
33 14 13 23-0264	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,235.72	48.63
		For DR 25, Deduct	*-68.31*	
33 14 13 23-0265	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,128.77	64.84
		For DR 25, Deduct	*-119.94*	
33 14 13 23-0266	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,644.13	81.06
		For DR 25, Deduct	*-148.92*	
33 14 13 23-0267	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,730.37	109.43
		For DR 25, Deduct	*-210.69*	

33 14 13 23-0268 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0269	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	121.51	9.74
		For DR 25, Deduct	*-6.12*	
33 14 13 23-0270	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	212.05	10.96
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0271	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	268.38	12.18
		For DR 25, Deduct	*-14.64*	
33 14 13 23-0272	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	380.25	19.45
		For DR 25, Deduct	*-20.48*	
33 14 13 23-0273	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	509.70	32.42
		For DR 25, Deduct	*-26.69*	
33 14 13 23-0274	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	972.13	38.91
		For DR 25, Deduct	*-53.66*	
33 14 13 23-0275	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,235.70	48.63
		For DR 25, Deduct	*-68.31*	
33 14 13 23-0276	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,128.77	64.84
		For DR 25, Deduct	*-119.94*	
33 14 13 23-0277	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,644.13	81.06
		For DR 25, Deduct	*-148.92*	
33 14 13 23-0278	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,730.37	109.43
		For DR 25, Deduct	*-210.69*	

33 14 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0280	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	107.53	9.74
		For DR 25, Deduct	*-5.28*	
33 14 13 23-0281	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	212.05	10.96
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0282	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	268.38	12.18
		For DR 25, Deduct	*-14.64*	
33 14 13 23-0283	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	380.25	19.45
		For DR 25, Deduct	*-20.48*	
33 14 13 23-0284	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	509.70	32.42
		For DR 25, Deduct	*-26.69*	
33 14 13 23-0285	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	972.13	38.91
		For DR 25, Deduct	*-53.66*	
33 14 13 23-0286	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,235.70	48.63
		For DR 25, Deduct	*-68.31*	
33 14 13 23-0287	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,128.77	64.84
		For DR 25, Deduct	*-119.94*	
33 14 13 23-0288	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,644.13	81.06
		For DR 25, Deduct	*-148.92*	
33 14 13 23-0289	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,730.37	109.43
		For DR 25, Deduct	*-210.69*	

33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0291	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	165.08	10.96
		For DR 25, Deduct	*-8.59*	
33 14 13 23-0292	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	317.05	12.18
		For DR 25, Deduct	*-17.56*	
33 14 13 23-0293	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	441.79	13.80
		For DR 25, Deduct	*-24.85*	
33 14 13 23-0294	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	910.33	24.32
		For DR 25, Deduct	*-51.70*	
33 14 13 23-0295	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,115.09	48.63
		For DR 25, Deduct	*-61.07*	
33 14 13 23-0296	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,008.20	60.79
		For DR 25, Deduct	*-113.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0297	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,486.86	72.96
		For DR 25, Deduct	*-140.46*	
33 14 13 23-0298	EA	18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,138.93	97.27
		For DR 25, Deduct	*-176.66*	
33 14 13 23-0299	EA	20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,770.47	121.59
		For DR 25, Deduct	*-211.64*	
33 14 13 23-0300	EA	24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,155.29	82.68
		For DR 25, Deduct	*-299.40*	
33 14 13 23-0301		**Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0302	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	316.43	15.83
		For DR 25, Deduct	*-17.09*	
33 14 13 23-0303	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	429.52	17.05
		For DR 25, Deduct	*-23.73*	
33 14 13 23-0304	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	440.30	17.65
		For DR 25, Deduct	*-24.30*	
33 14 13 23-0305	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,350.88	24.32
		For DR 25, Deduct	*-258.14*	
33 14 13 23-0306	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	772.88	24.93
		For DR 25, Deduct	*-43.38*	
33 14 13 23-0307	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	826.57	25.53
		For DR 25, Deduct	*-46.53*	
33 14 13 23-0308	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	878.46	37.28
		For DR 25, Deduct	*-48.23*	
33 14 13 23-0309	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,007.35	37.90
		For DR 25, Deduct	*-55.89*	
33 14 13 23-0310	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,068.34	38.50
		For DR 25, Deduct	*-59.48*	
33 14 13 23-0311	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,089.07	42.15
		For DR 25, Deduct	*-60.29*	
33 14 13 23-0312	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,649.71	43.77
		For DR 25, Deduct	*-93.73*	
33 14 13 23-0313	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,715.83	44.38
		For DR 25, Deduct	*-97.62*	
33 14 13 23-0314	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,782.11	44.99
		For DR 25, Deduct	*-101.53*	
33 14 13 23-0315	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,854.09	48.63
		For DR 25, Deduct	*-105.41*	
33 14 13 23-0316	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,931.99	55.12
		For DR 25, Deduct	*-109.31*	
33 14 13 23-0317	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,058.55	53.50
		For DR 25, Deduct	*-117.09*	
33 14 13 23-0318	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,123.43	53.50
		For DR 25, Deduct	*-120.99*	
33 14 13 23-0319	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,189.55	54.11
		For DR 25, Deduct	*-124.88*	
33 14 13 23-0320	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,255.67	54.71
		For DR 25, Deduct	*-128.77*	
33 14 13 23-0321	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,340.82	64.84
		For DR 25, Deduct	*-132.67*	
33 14 13 23-0322	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,412.20	68.09
		For DR 25, Deduct	*-136.56*	
33 14 13 23-0323	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,544.78	69.71
		For DR 25, Deduct	*-144.32*	
33 14 13 23-0324	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,611.36	70.32
		For DR 25, Deduct	*-148.24*	
33 14 13 23-0325	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,677.47	70.93
		For DR 25, Deduct	*-152.14*	
33 14 13 23-0326	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,749.66	74.58
		For DR 25, Deduct	*-156.03*	
33 14 13 23-0327	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,827.50	81.06
		For DR 25, Deduct	*-159.92*	
33 14 13 23-0328	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,898.45	84.30
		For DR 25, Deduct	*-163.79*	
33 14 13 23-0329	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,988.75	89.17
		For DR 25, Deduct	*-168.63*	
33 14 13 23-0330	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,227.06	85.92
		For DR 25, Deduct	*-183.31*	
33 14 13 23-0331	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,339.08	86.53
		For DR 25, Deduct	*-189.96*	
33 14 13 23-0332	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,383.26	87.14
		For DR 25, Deduct	*-192.54*	
33 14 13 23-0333	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,433.57	90.79
		For DR 25, Deduct	*-195.12*	
33 14 13 23-0334	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,489.52	97.27
		For DR 25, Deduct	*-197.70*	
33 14 13 23-0335	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,565.68	100.52
		For DR 25, Deduct	*-201.88*	
33 14 13 23-0336	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,645.10	105.38
		For DR 25, Deduct	*-206.06*	
33 14 13 23-0337	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,707.78	113.49
		For DR 25, Deduct	*-208.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0338	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,802.34	114.29
		For DR 25, Deduct	*-214.43*	
33 14 13 23-0339	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,850.06	114.90
		For DR 25, Deduct	*-217.22*	
33 14 13 23-0340	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,897.75	115.51
		For DR 25, Deduct	*-220.00*	
33 14 13 23-0341	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,094.08	119.16
		For DR 25, Deduct	*-231.35*	
33 14 13 23-0342	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,296.06	125.64
		For DR 25, Deduct	*-242.69*	
33 14 13 23-0343	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,491.57	128.89
		For DR 25, Deduct	*-254.03*	
33 14 13 23-0344	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,690.33	133.75
		For DR 25, Deduct	*-265.37*	
33 14 13 23-0345	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,895.57	141.85
		For DR 25, Deduct	*-276.71*	
33 14 13 23-0346	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,100.81	149.96
		For DR 25, Deduct	*-288.05*	

33 14 13 23-0347 Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0348	EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	229.86	19.48
		For DR 25, Deduct	*-11.45*	
33 14 13 23-0349	EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	410.21	21.91
		For DR 25, Deduct	*-21.98*	
33 14 13 23-0350	EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	566.70	24.35
		For DR 25, Deduct	*-31.08*	
33 14 13 23-0351	EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,154.49	38.91
		For DR 25, Deduct	*-64.60*	
33 14 13 23-0352	EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,369.80	48.63
		For DR 25, Deduct	*-76.35*	
33 14 13 23-0353	EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,488.09	64.84
		For DR 25, Deduct	*-141.50*	
33 14 13 23-0354	EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,087.83	81.06
		For DR 25, Deduct	*-175.55*	
33 14 13 23-0355	EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,940.43	129.70
		For DR 25, Deduct	*-220.86*	
33 14 13 23-0356	EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,733.42	162.12
		For DR 25, Deduct	*-264.55*	
33 14 13 23-0357	EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,674.75	218.87
		For DR 25, Deduct	*-374.22*	

33 14 13 23-0358 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0359	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	397.65	20.70
		For DR 25, Deduct	*-21.38*	
33 14 13 23-0360	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	538.73	21.91
		For DR 25, Deduct	*-29.69*	
33 14 13 23-0361	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	552.62	23.13
		For DR 25, Deduct	*-30.38*	
33 14 13 23-0362	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	827.98	29.18
		For DR 25, Deduct	*-46.18*	
33 14 13 23-0363	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	964.69	30.40
		For DR 25, Deduct	*-54.23*	
33 14 13 23-0364	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,059.38	31.61
		For DR 25, Deduct	*-59.77*	
33 14 13 23-0365	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,089.48	42.15
		For DR 25, Deduct	*-60.31*	
33 14 13 23-0366	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,251.13	43.37
		For DR 25, Deduct	*-69.86*	
33 14 13 23-0367	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,328.29	44.58
		For DR 25, Deduct	*-74.35*	
33 14 13 23-0368	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,359.61	51.88
		For DR 25, Deduct	*-75.35*	
33 14 13 23-0369	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,049.97	48.63
		For DR 25, Deduct	*-117.16*	
33 14 13 23-0370	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,133.28	49.85
		For DR 25, Deduct	*-122.01*	
33 14 13 23-0371	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,217.50	51.07
		For DR 25, Deduct	*-126.92*	
33 14 13 23-0372	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,313.52	58.36
		For DR 25, Deduct	*-131.81*	
33 14 13 23-0373	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,420.26	71.33
		For DR 25, Deduct	*-136.66*	
33 14 13 23-0374	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,555.78	58.36
		For DR 25, Deduct	*-146.34*	
33 14 13 23-0375	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,640.18	59.58
		For DR 25, Deduct	*-151.26*	
33 14 13 23-0376	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,723.69	60.79
		For DR 25, Deduct	*-156.13*	
33 14 13 23-0377	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,819.64	68.09
		For DR 25, Deduct	*-161.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0378	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,868.62	81.06
		For DR 25, Deduct	*-162.39*	
33 14 13 23-0379	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,020.35	87.54
		For DR 25, Deduct	*-170.72*	
33 14 13 23-0380	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,156.26	74.58
		For DR 25, Deduct	*-180.43*	
33 14 13 23-0381	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,240.47	75.79
		For DR 25, Deduct	*-185.33*	
33 14 13 23-0382	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,324.10	77.01
		For DR 25, Deduct	*-190.21*	
33 14 13 23-0383	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,418.84	84.30
		For DR 25, Deduct	*-195.01*	
33 14 13 23-0384	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,526.55	97.27
		For DR 25, Deduct	*-199.92*	
33 14 13 23-0385	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,620.35	103.75
		For DR 25, Deduct	*-204.77*	
33 14 13 23-0386	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,740.38	113.49
		For DR 25, Deduct	*-210.80*	
33 14 13 23-0387	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,000.97	90.79
		For DR 25, Deduct	*-229.16*	
33 14 13 23-0388	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,141.69	92.00
		For DR 25, Deduct	*-237.46*	
33 14 13 23-0389	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,198.21	93.22
		For DR 25, Deduct	*-240.71*	
33 14 13 23-0390	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,266.34	100.52
		For DR 25, Deduct	*-243.92*	
33 14 13 23-0391	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,345.81	113.49
		For DR 25, Deduct	*-247.13*	
33 14 13 23-0392	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,445.27	119.96
		For DR 25, Deduct	*-252.32*	
33 14 13 23-0393	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,552.95	129.70
		For DR 25, Deduct	*-257.61*	
33 14 13 23-0394	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,643.29	145.91
		For DR 25, Deduct	*-261.09*	
33 14 13 23-0395	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,679.72	119.16
		For DR 25, Deduct	*-266.48*	
33 14 13 23-0396	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,766.34	120.37
		For DR 25, Deduct	*-271.54*	
33 14 13 23-0397	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,827.12	121.59
		For DR 25, Deduct	*-275.04*	
33 14 13 23-0398	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,077.72	128.89
		For DR 25, Deduct	*-289.20*	
33 14 13 23-0399	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,339.75	141.85
		For DR 25, Deduct	*-303.36*	
33 14 13 23-0400	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,588.76	148.34
		For DR 25, Deduct	*-317.53*	
33 14 13 23-0401	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,845.28	158.06
		For DR 25, Deduct	*-331.75*	
33 14 13 23-0402	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,113.25	174.28
		For DR 25, Deduct	*-345.88*	
33 14 13 23-0403	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,382.22	190.49
		For DR 25, Deduct	*-360.07*	

33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0405	EA	4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	83.85	9.74
		For DR 25, Deduct	*-3.86*	
33 14 13 23-0406	EA	6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	154.79	10.96
		For DR 25, Deduct	*-7.97*	
33 14 13 23-0407	EA	8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	186.10	12.18
		For DR 25, Deduct	*-9.71*	
33 14 13 23-0408	EA	10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	265.17	19.45
		For DR 25, Deduct	*-13.58*	
33 14 13 23-0409	EA	12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	420.41	24.32
		For DR 25, Deduct	*-22.31*	
33 14 13 23-0410	EA	14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	727.34	32.42
		For DR 25, Deduct	*-39.75*	
33 14 13 23-0411	EA	16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	862.06	40.53
		For DR 25, Deduct	*-46.86*	
33 14 13 23-0412	EA	18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,056.97	64.84
		For DR 25, Deduct	*-115.64*	
33 14 13 23-0413	EA	20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,307.76	81.06
		For DR 25, Deduct	*-128.74*	
33 14 13 23-0414	EA	24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,248.40	109.43
		For DR 25, Deduct	*-181.77*	

33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0416	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	103.46	9.74
		For DR 25, Deduct	*-5.04*	
33 14 13 23-0417	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	140.07	10.96
		For DR 25, Deduct	*-7.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0418	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	202.86	12.18
		For DR 25, Deduct	*-10.71*	
33 14 13 23-0419	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	278.24	19.45
		For DR 25, Deduct	*-14.36*	
33 14 13 23-0420	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	446.14	32.42
		For DR 25, Deduct	*-22.88*	
33 14 13 23-0421	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,174.28	38.91
		For DR 25, Deduct	*-65.79*	
33 14 13 23-0422	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,588.72	48.63
		For DR 25, Deduct	*-89.49*	
33 14 13 23-0423	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,958.57	64.84
		For DR 25, Deduct	*-109.73*	
33 14 13 23-0424	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,340.71	81.06
		For DR 25, Deduct	*-130.72*	
33 14 13 23-0425	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,179.65	109.43
		For DR 25, Deduct	*-177.65*	

33 14 13 23-0426 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0427 High Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0426)*

33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.33	2.21
		For DR 19 (89 PSI), Add	*0.08*	
		For DR 17 (100 PSI), Add	*0.19*	
		For DR 15.5 (110 PSI), Add	*0.28*	
		For DR 13.5 (128 PSI), Add	*0.44*	
		For DR 11 (160 PSI), Add	*0.70*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	7.68	2.81
		For DR 26 (65 PSI), Deduct	*-0.38*	
		For DR 19 (89 PSI), Add	*0.19*	
		For DR 17 (100 PSI), Add	*0.46*	
		For DR 15.5 (110 PSI), Add	*0.67*	
		For DR 13.5 (128 PSI), Add	*1.05*	
		For DR 11 (160 PSI), Add	*1.69*	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	11.28	3.40
		For DR 26 (65 PSI), Deduct	*-0.82*	
		For DR 19 (89 PSI), Add	*0.40*	
		For DR 17 (100 PSI), Add	*1.00*	
		For DR 15.5 (110 PSI), Add	*1.46*	
		For DR 13.5 (128 PSI), Add	*2.28*	
		For DR 11 (160 PSI), Add	*3.66*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.25	3.82
		For DR 26 (65 PSI), Deduct	*-1.39*	
		For DR 19 (89 PSI), Add	*0.68*	
		For DR 17 (100 PSI), Add	*1.69*	
		For DR 15.5 (110 PSI), Add	*2.47*	
		For DR 13.5 (128 PSI), Add	*3.86*	
		For DR 11 (160 PSI), Add	*6.21*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	20.32	4.25
		For DR 26 (65 PSI), Deduct	*-2.17*	
		For DR 19 (89 PSI), Add	*1.06*	
		For DR 17 (100 PSI), Add	*2.63*	
		For DR 15.5 (110 PSI), Add	*3.85*	
		For DR 13.5 (128 PSI), Add	*6.00*	
		For DR 11 (160 PSI), Add	*9.66*	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.47	47.60
		For DR 26 (65 PSI), Deduct	*-3.12*	
		For DR 19 (89 PSI), Add	*1.53*	
		For DR 17 (100 PSI), Add	*3.79*	
		For DR 15.5 (110 PSI), Add	*5.54*	
		For DR 13.5 (128 PSI), Add	*8.65*	
		For DR 11 (160 PSI), Add	*13.93*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	30.65	5.36
		For DR 26 (65 PSI), Deduct	*-3.67*	
		For DR 19 (89 PSI), Add	*1.80*	
		For DR 17 (100 PSI), Add	*4.45*	
		For DR 15.5 (110 PSI), Add	*6.52*	
		For DR 13.5 (128 PSI), Add	*10.17*	
		For DR 11 (160 PSI), Add	*16.37*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	38.07	5.95
		For DR 26 (65 PSI), Deduct	*-4.80*	
		For DR 19 (89 PSI), Add	*2.36*	
		For DR 17 (100 PSI), Add	*5.81*	
		For DR 15.5 (110 PSI), Add	*8.52*	
		For DR 13.5 (128 PSI), Add	*13.29*	
		For DR 11 (160 PSI), Add	*21.39*	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	47.40	7.15
		For DR 26 (65 PSI), Deduct	*-6.06*	
		For DR 19 (89 PSI), Add	*2.98*	
		For DR 17 (100 PSI), Add	*7.35*	
		For DR 15.5 (110 PSI), Add	*10.76*	
		For DR 13.5 (128 PSI), Add	*16.80*	
		For DR 11 (160 PSI), Add	*27.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.64	8.50
		For DR 26 (65 PSI), Deduct	*-5.07*	
		For DR 19 (89 PSI), Add	*2.49*	
		For DR 17 (100 PSI), Add	*6.14*	
		For DR 15.5 (110 PSI), Add	*8.99*	
		For DR 13.5 (128 PSI), Add	*14.04*	
		For DR 11 (160 PSI), Add	*22.60*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	79.24	10.20
		For DR 26 (65 PSI), Deduct	*-10.79*	
		For DR 19 (89 PSI), Add	*5.30*	
		For DR 17 (100 PSI), Add	*13.07*	
		For DR 15.5 (110 PSI), Add	*19.15*	
		For DR 13.5 (128 PSI), Add	*29.88*	
		For DR 11 (160 PSI), Add	*48.10*	
33 14 13 23-0439		90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	53.84	12.18
		For DR 26 (65 PSI), Deduct	*-3.17*	
		For DR 19 (89 PSI), Add	*1.56*	
		For DR 17 (100 PSI), Add	*3.85*	
		For DR 15.5 (110 PSI), Add	*5.63*	
		For DR 13.5 (128 PSI), Add	*8.79*	
		For DR 11 (160 PSI), Add	*14.15*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	61.20	13.54
		For DR 26 (65 PSI), Deduct	*-3.78*	
		For DR 19 (89 PSI), Add	*1.86*	
		For DR 17 (100 PSI), Add	*4.58*	
		For DR 15.5 (110 PSI), Add	*6.71*	
		For DR 13.5 (128 PSI), Add	*10.47*	
		For DR 11 (160 PSI), Add	*16.86*	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	101.21	15.46
		For DR 26 (65 PSI), Deduct	*-10.06*	
		For DR 19 (89 PSI), Add	*4.94*	
		For DR 17 (100 PSI), Add	*12.19*	
		For DR 15.5 (110 PSI), Add	*17.85*	
		For DR 13.5 (128 PSI), Add	*27.86*	
		For DR 11 (160 PSI), Add	*44.85*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	168.81	18.05
		For DR 26 (65 PSI), Deduct	*-21.02*	
		For DR 19 (89 PSI), Add	*10.32*	
		For DR 17 (100 PSI), Add	*25.48*	
		For DR 15.5 (110 PSI), Add	*37.32*	
		For DR 13.5 (128 PSI), Add	*58.25*	
		For DR 11 (160 PSI), Add	*93.75*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	263.56	24.11
		For DR 26 (65 PSI), Deduct	*-35.08*	
		For DR 19 (89 PSI), Add	*17.23*	
		For DR 17 (100 PSI), Add	*42.53*	
		For DR 15.5 (110 PSI), Add	*62.28*	
		For DR 13.5 (128 PSI), Add	*97.21*	
		For DR 11 (160 PSI), Add	*156.47*	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	388.47	36.07
		For DR 26 (65 PSI), Deduct	*-51.38*	
		For DR 19 (89 PSI), Add	*25.23*	
		For DR 17 (100 PSI), Add	*62.28*	
		For DR 15.5 (110 PSI), Add	*91.20*	
		For DR 13.5 (128 PSI), Add	*142.35*	
		For DR 11 (160 PSI), Add	*229.13*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	478.48	48.15
		For DR 26 (65 PSI), Deduct	*-61.24*	
		For DR 19 (89 PSI), Add	*30.07*	
		For DR 17 (100 PSI), Add	*74.24*	
		For DR 15.5 (110 PSI), Add	*108.72*	
		For DR 13.5 (128 PSI), Add	*169.70*	
		For DR 11 (160 PSI), Add	*273.14*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	616.49	72.16
		For DR 26 (65 PSI), Deduct	*-73.34*	
		For DR 19 (89 PSI), Add	*36.01*	
		For DR 17 (100 PSI), Add	*88.91*	
		For DR 15.5 (110 PSI), Add	*130.20*	
		For DR 13.5 (128 PSI), Add	*203.22*	
		For DR 11 (160 PSI), Add	*327.10*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	788.01	81.17
		For DR 26 (65 PSI), Deduct	*-99.81*	
		For DR 19 (89 PSI), Add	*49.01*	
		For DR 17 (100 PSI), Add	*120.99*	
		For DR 15.5 (110 PSI), Add	*177.18*	
		For DR 13.5 (128 PSI), Add	*276.55*	
		For DR 11 (160 PSI), Add	*445.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,098.01	92.12
		For DR 26 (65 PSI), Deduct	*-150.09*	
		For DR 19 (89 PSI), Add	*73.69*	
		For DR 17 (100 PSI), Add	*181.94*	
		For DR 15.5 (110 PSI), Add	*266.44*	
		For DR 13.5 (128 PSI), Add	*415.87*	
		For DR 11 (160 PSI), Add	*669.38*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,417.78	108.27
		For DR 26 (65 PSI), Deduct	*-200.37*	
		For DR 19 (89 PSI), Add	*98.38*	
		For DR 17 (100 PSI), Add	*242.89*	
		For DR 15.5 (110 PSI), Add	*355.70*	
		For DR 13.5 (128 PSI), Add	*555.20*	
		For DR 11 (160 PSI), Add	*893.63*	
33 14 13 23-0451		Tees, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*		
33 14 13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	60.79	12.75
		For DR 26 (65 PSI), Deduct	*-4.15*	
		For DR 19 (89 PSI), Add	*2.04*	
		For DR 17 (100 PSI), Add	*5.03*	
		For DR 15.5 (110 PSI), Add	*7.37*	
		For DR 13.5 (128 PSI), Add	*11.50*	
		For DR 11 (160 PSI), Add	*18.51*	
33 14 13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	69.92	14.44
		For DR 26 (65 PSI), Deduct	*-4.88*	
		For DR 19 (89 PSI), Add	*2.40*	
		For DR 17 (100 PSI), Add	*5.92*	
		For DR 15.5 (110 PSI), Add	*8.67*	
		For DR 13.5 (128 PSI), Add	*13.54*	
		For DR 11 (160 PSI), Add	*21.79*	
33 14 13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	119.58	16.65
		For DR 26 (65 PSI), Deduct	*-12.77*	
		For DR 19 (89 PSI), Add	*6.27*	
		For DR 17 (100 PSI), Add	*15.48*	
		For DR 15.5 (110 PSI), Add	*22.67*	
		For DR 13.5 (128 PSI), Add	*35.38*	
		For DR 11 (160 PSI), Add	*56.95*	
33 14 13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	235.73	19.69
		For DR 26 (65 PSI), Deduct	*-32.39*	
		For DR 19 (89 PSI), Add	*15.90*	
		For DR 17 (100 PSI), Add	*39.27*	
		For DR 15.5 (110 PSI), Add	*57.50*	
		For DR 13.5 (128 PSI), Add	*89.76*	
		For DR 11 (160 PSI), Add	*144.47*	
33 14 13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	319.41	28.89
		For DR 26 (65 PSI), Deduct	*-42.68*	
		For DR 19 (89 PSI), Add	*20.95*	
		For DR 17 (100 PSI), Add	*51.73*	
		For DR 15.5 (110 PSI), Add	*75.76*	
		For DR 13.5 (128 PSI), Add	*118.25*	
		For DR 11 (160 PSI), Add	*190.33*	
33 14 13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	447.79	43.35
		For DR 26 (65 PSI), Deduct	*-58.27*	
		For DR 19 (89 PSI), Add	*28.61*	
		For DR 17 (100 PSI), Add	*70.64*	
		For DR 15.5 (110 PSI), Add	*103.44*	
		For DR 13.5 (128 PSI), Add	*161.46*	
		For DR 11 (160 PSI), Add	*259.88*	
33 14 13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	536.33	54.14
		For DR 26 (65 PSI), Deduct	*-68.55*	
		For DR 19 (89 PSI), Add	*33.66*	
		For DR 17 (100 PSI), Add	*83.10*	
		For DR 15.5 (110 PSI), Add	*121.70*	
		For DR 13.5 (128 PSI), Add	*189.95*	
		For DR 11 (160 PSI), Add	*305.75*	
33 14 13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	687.73	81.17
		For DR 26 (65 PSI), Deduct	*-81.41*	
		For DR 19 (89 PSI), Add	*39.97*	
		For DR 17 (100 PSI), Add	*98.68*	
		For DR 15.5 (110 PSI), Add	*144.52*	
		For DR 13.5 (128 PSI), Add	*225.57*	
		For DR 11 (160 PSI), Add	*363.07*	
33 14 13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	900.72	94.55
		For DR 26 (65 PSI), Deduct	*-113.11*	
		For DR 19 (89 PSI), Add	*55.54*	
		For DR 17 (100 PSI), Add	*137.12*	
		For DR 15.5 (110 PSI), Add	*200.80*	
		For DR 13.5 (128 PSI), Add	*313.43*	
		For DR 11 (160 PSI), Add	*504.48*	
33 14 13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,290.17	111.68
		For DR 26 (65 PSI), Deduct	*-174.38*	
		For DR 19 (89 PSI), Add	*85.62*	
		For DR 17 (100 PSI), Add	*211.39*	
		For DR 15.5 (110 PSI), Add	*309.57*	
		For DR 13.5 (128 PSI), Add	*483.20*	
		For DR 11 (160 PSI), Add	*777.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,691.45	135.38
		For DR 26 (65 PSI), Deduct	*-235.65*	
		For DR 19 (89 PSI), Add	*115.71*	
		For DR 17 (100 PSI), Add	*285.66*	
		For DR 15.5 (110 PSI), Add	*418.34*	
		For DR 13.5 (128 PSI), Add	*652.97*	
		For DR 11 (160 PSI), Add	*1,050.99*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	45.64	21.30
		For >1,000, Deduct	*-2.28*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	49.90	21.30
		For >1,000, Deduct	*-2.50*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	51.94	23.23
		For >1,000, Deduct	*-2.60*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	57.33	23.23
		For >1,000, Deduct	*-2.87*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	58.64	24.34
		For >1,000, Deduct	*-2.93*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	62.83	24.34
		For >1,000, Deduct	*-3.14*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	89.13	26.90
		For >1,000, Deduct	*-4.46*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.52	26.90
		For >1,000, Deduct	*-3.58*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	72.16	28.39
		For >1,000, Deduct	*-3.61*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	74.75	28.39
		For >1,000, Deduct	*-3.74*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.80	31.94
		For >1,000, Deduct	*-4.29*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	90.04	31.94
		For >1,000, Deduct	*-4.50*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	74.89	41.05
		For >1,000, Deduct	*-3.74*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	86.31	45.16
		For >1,000, Deduct	*-4.32*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	93.96	47.21
		For >1,000, Deduct	*-4.70*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.87	53.37
		For >1,000, Deduct	*-5.29*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	108.75	53.37
		For >1,000, Deduct	*-5.44*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	111.40	53.37
		For >1,000, Deduct	*-5.57*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	114.47	53.37
		For >1,000, Deduct	*-5.72*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.00	61.58
		For >1,000, Deduct	*-6.60*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	141.48	61.58
		For >1,000, Deduct	*-7.07*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	164.75	61.58
		For >1,000, Deduct	*-8.24*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	160.47	71.84
		For >1,000, Deduct	*-8.02*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	164.35	71.84
		For >1,000, Deduct	*-8.22*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	200.92	71.84
		For >1,000, Deduct	*-10.05*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	180.58	71.84
		For >1,000, Deduct	*-9.03*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	213.24	86.22
		For >1,000, Deduct	*-10.66*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	241.61	86.22
		For >1,000, Deduct	*-12.08*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	234.52	86.22
		For >1,000, Deduct	*-11.73*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	331.32	96.48
		For >1,000, Deduct	*-16.57*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	230.18	96.48
		For >1,000, Deduct	*-11.51*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	378.33	108.80
		For >1,000, Deduct	*-18.92*	
33 14 13 36-0037	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	404.27	123.16
		For >1,000, Deduct	*-20.21*	
33 14 13 36-0038	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	254.59	108.80
		For >1,000, Deduct	*-12.73*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	436.58	123.16
		For >1,000, Deduct	*-21.83*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	492.80	143.69
		For >1,000, Deduct	*-24.64*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	377.91	143.69
		For >1,000, Deduct	*-18.90*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	468.28	117.34
		For >1,000, Deduct	*-23.41*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	727.72	117.34
		For >1,000, Deduct	*-36.39*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Dresser Coupling For Plain End Welded Steel Pipe	100.49	21.90
33 14 13 36-0046	EA	3" Dresser Coupling For Plain End Welded Steel Pipe	145.18	42.11
33 14 13 36-0047	EA	4" Dresser Coupling For Plain End Welded Steel Pipe	193.18	55.59
33 14 13 36-0048	EA	6" Dresser Coupling For Plain End Welded Steel Pipe	309.43	84.23
33 14 13 36-0049	EA	8" Dresser Coupling For Plain End Welded Steel Pipe	406.31	106.13
33 14 13 36-0050	EA	10" Dresser Coupling For Plain End Welded Steel Pipe	551.92	123.49
33 14 13 36-0051	EA	12" Dresser Coupling For Plain End Welded Steel Pipe	652.98	154.77
33 14 13 36-0052	EA	14" Dresser Coupling For Plain End Welded Steel Pipe	703.44	154.77
33 14 13 36-0053	EA	16" Dresser Coupling For Plain End Welded Steel Pipe	742.59	164.65
33 14 13 36-0054	EA	18" Dresser Coupling For Plain End Welded Steel Pipe	814.82	189.35
33 14 13 36-0055	EA	20" Dresser Coupling For Plain End Welded Steel Pipe	888.96	214.05
33 14 13 36-0056	EA	24" Dresser Coupling For Plain End Welded Steel Pipe	1,131.01	226.40
33 14 13 36-0057	EA	30" Dresser Coupling For Plain End Welded Steel Pipe	1,362.75	246.98
33 14 13 36-0058	EA	36" Dresser Coupling For Plain End Welded Steel Pipe	1,601.36	277.85
33 14 13 36-0059	EA	42" Dresser Coupling For Plain End Welded Steel Pipe	1,851.97	312.84
33 14 13 36-0060	EA	48" Dresser Coupling For Plain End Welded Steel Pipe	2,154.05	360.17
33 14 13 36-0061	EA	54" Dresser Coupling For Plain End Welded Steel Pipe	2,385.74	411.63
33 14 13 36-0062	EA	60" Dresser Coupling For Plain End Welded Steel Pipe	2,735.77	514.54
33 14 13 36-0063	EA	66" Dresser Coupling For Plain End Welded Steel Pipe	3,145.92	625.68
33 14 13 36-0064	EA	72" Dresser Coupling For Plain End Welded Steel Pipe	3,748.31	740.93

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	5.77	1.57
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	7.26	1.77
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	9.62	1.96
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	12.01	2.36
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	14.80	3.14
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	21.55	3.92
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	27.26	4.71
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	34.20	5.18
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	45.94	6.51
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	60.68	8.24
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	97.72	10.28
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	126.25	12.40
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	217.44	13.89

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	6.15	1.57
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	8.58	1.77
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	10.93	1.96
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	12.82	2.36
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	16.01	3.14
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	23.17	3.92
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	31.74	4.71
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	40.91	5.18
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	53.83	6.51
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	72.66	8.24
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	122.49	10.28
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	170.80	12.40
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	299.65	13.89

33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating *(33 14 13 43-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.99	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.63	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.57	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.95	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	8.57	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.98	
33 14 13 43-0009	LF	30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	13.11	
33 14 13 43-0010	LF	36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	20.71	
33 14 13 43-0011	LF	42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	44.63	
33 14 13 43-0012	LF	48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	51.01	
33 14 13 43-0013	LF	54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	57.38	
33 14 13 43-0014	LF	60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	63.76	
33 14 13 43-0015	LF	66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	70.14	
33 14 13 43-0016	LF	72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	76.48	
33 14 13 43-0017	LF	78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	82.89	
33 14 13 43-0018		Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	4.73	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh	5.83	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh	7.28	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh	8.11	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh	9.16	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh	10.72	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh	12.18	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh	13.74	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh	15.28	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh	18.32	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh	22.91	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh	27.49	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh	25.10	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh	28.68	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh	32.27	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh	35.85	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0035	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh	39.44	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0036	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh	43.02	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0037	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh	46.61	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0038		Pipe Lining *(33 14 13 43)*		
33 14 13 43-0039		Cement Pipe Lining *(33 14 13 43-0038)*		
		Note: Shop applied.		
33 14 13 43-0040	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	8.94	
		For 1/2" Thick, Add	*0.63*	
33 14 13 43-0041	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	11.11	
		For 1/2" Thick, Add	*0.78*	
33 14 13 43-0042	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	13.53	
		For 1/2" Thick, Add	*0.97*	
33 14 13 43-0043	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	17.63	
		For 1/2" Thick, Add	*1.21*	
33 14 13 43-0044	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	21.75	
		For 1/2" Thick, Add	*1.46*	
33 14 13 43-0045	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	28.05	
		For 1/2" Thick, Add	*1.71*	
33 14 13 43-0046	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	36.81	
		For 1/2" Thick, Add	*1.94*	
33 14 13 43-0047	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	44.19	
		For 1/2" Thick, Add	*1.86*	
33 14 13 43-0048	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	53.71	
		For 1/2" Thick, Add	*2.07*	
33 14 13 43-0049	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	65.18	
		For 1/2" Thick, Add	*2.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0050	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	78.21	
		For 1/2" Thick, Add	*3.10*	
33 14 13 43-0051	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	94.16	
		For 1/2" Thick, Add	*3.72*	
33 14 13 43-0052	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	109.87	
		For 1/2" Thick, Add	*3.19*	
33 14 13 43-0053	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	125.51	
		For 1/2" Thick, Add	*3.65*	
33 14 13 43-0054	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	141.23	
		For 1/2" Thick, Add	*4.11*	
33 14 13 43-0055	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	156.94	
		For 1/2" Thick, Add	*4.56*	
33 14 13 43-0056	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	172.59	
		For 1/2" Thick, Add	*2.68*	
33 14 13 43-0057	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	188.30	
		For 1/2" Thick, Add	*2.92*	
33 14 13 43-0058	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	204.01	
		For 1/2" Thick, Add	*3.16*	

33 14 13 43-0059 Cement Fitting Lining *(33 14 13 43-0038)*

Note: Shop applied.

33 14 13 43-0060	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	8.94	
		For 1/2" Thick, Add	*0.63*	
33 14 13 43-0061	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	11.11	
		For 1/2" Thick, Add	*0.78*	
33 14 13 43-0062	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	17.14	
		For 1/2" Thick, Add	*1.26*	
33 14 13 43-0063	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	28.50	
		For 1/2" Thick, Add	*1.94*	
33 14 13 43-0064	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	43.50	
		For 1/2" Thick, Add	*2.92*	
33 14 13 43-0065	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	65.17	
		For 1/2" Thick, Add	*3.93*	
33 14 13 43-0066	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	97.49	
		For 1/2" Thick, Add	*5.05*	
33 14 13 43-0067	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	132.55	
		For 1/2" Thick, Add	*5.58*	
33 14 13 43-0068	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	178.96	
		For 1/2" Thick, Add	*6.89*	
33 14 13 43-0069	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	260.70	
		For 1/2" Thick, Add	*9.93*	

33 14 13 43-0070 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0071	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.58
33 14 13 43-0072	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.00
33 14 13 43-0073	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.27
33 14 13 43-0074	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	1.63
33 14 13 43-0075	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	2.30
33 14 13 43-0076	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	2.98
33 14 13 43-0077	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	3.78
33 14 13 43-0078	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	4.52
33 14 13 43-0079	LF	54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing	5.65

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	210.62
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	304.17
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	313.32
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	255.34
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	324.29
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	266.24
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	339.25
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	301.60
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	357.32
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	314.05
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	367.63

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	170.45
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	170.58
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	181.42
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	173.86
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	186.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	207.05	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	220.36	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	200.60	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.75	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	232.85	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	211.55	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.41	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	244.45	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.93	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	244.10	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.00	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	387.90	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	397.05	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	242.37	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	268.32	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	278.29	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	462.64	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	273.67	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.11	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	519.59	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.10	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.48	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	344.08	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	583.03	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	353.51	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	379.28	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	409.79	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	724.69	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	362.64	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	416.72	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	434.12	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	780.55	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	379.05	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	435.16	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	453.07	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	812.50	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	422.29	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	491.64	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	485.57	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	538.97	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	507.44	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	575.50	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	242.01	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	265.57	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	275.68	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	299.45	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	309.10	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	324.90	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	296.97	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	316.40	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	384.26	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	416.85	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	594.42	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	496.70	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	694.12	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	568.45	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	255.70	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	282.85	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	291.86	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	317.94	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	329.10	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	345.98	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	373.21	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	400.17	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	402.60	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	437.54	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	639.84	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	529.52	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	748.01	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	607.57	
33 14 13 53-0091		**Ductile Iron Mechanical Joint Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0092	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,181.38	
33 14 13 53-0093	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,424.42	
33 14 13 53-0094	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,707.43	
33 14 13 53-0095	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,810.75	
33 14 13 53-0096	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,807.10	
33 14 13 53-0097	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,952.98	
33 14 13 53-0098	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,013.70	
33 14 13 53-0099	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,944.19	
33 14 13 53-0100	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,089.47	
33 14 13 53-0101	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,448.13	
33 14 13 53-0102	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,536.74	
33 14 13 53-0103	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,025.12	
33 14 13 53-0104	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,189.71	
33 14 13 53-0105	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,261.92	
33 14 13 53-0106	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,291.12	
33 14 13 53-0107	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,522.62	
33 14 13 53-0108	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,507.11	
33 14 13 53-0109	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,525.39	
33 14 13 53-0110	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,709.69	
33 14 13 53-0111	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,750.67	
33 14 13 53-0112	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,796.09	
33 14 13 53-0113	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,540.88	
33 14 13 53-0114	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,125.87	
33 14 13 53-0115	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,107.40	
33 14 13 53-0116	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,527.64	
33 14 13 53-0117	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,637.21	
33 14 13 53-0118	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,978.70	
33 14 13 53-0119	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,471.98	
33 14 13 53-0120	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,147.02	
33 14 13 53-0121	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,305.29	
33 14 13 53-0122	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,365.12	
33 14 13 53-0123	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,676.09	
33 14 13 53-0124	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,834.09	
33 14 13 53-0125	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,057.03	
33 14 13 53-0126	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,259.51	
33 14 13 53-0127	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,399.08	
33 14 13 53-0128	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,437.71	
33 14 13 53-0129	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,581.61	
33 14 13 53-0130	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,767.22	
33 14 13 53-0131	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,803.77	
33 14 13 53-0132	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,212.93	
33 14 13 53-0133	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,403.90	
33 14 13 53-0134		**Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0135	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	975.31	
33 14 13 53-0136	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,026.89	
33 14 13 53-0137	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,127.73	
33 14 13 53-0138	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,153.08	
33 14 13 53-0139	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,201.61	
33 14 13 53-0140	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,392.94	
33 14 13 53-0141	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,254.42	
33 14 13 53-0142	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,301.57	
33 14 13 53-0143	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,469.33	
33 14 13 53-0144	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,074.62	
33 14 13 53-0145	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,404.51	
33 14 13 53-0146	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,475.29	
33 14 13 53-0147	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,640.33	
33 14 13 53-0148	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,182.21	
33 14 13 53-0149	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,390.03	
33 14 13 53-0150	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,869.97	
33 14 13 53-0151	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,927.93	
33 14 13 53-0152	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,286.07	
33 14 13 53-0153	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,730.93	
33 14 13 53-0154	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,018.99	
33 14 13 53-0155	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,230.32	
33 14 13 53-0156	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,290.27	
33 14 13 53-0157	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,526.17	
33 14 13 53-0158	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,163.93	
33 14 13 53-0159	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,312.00	
33 14 13 53-0160	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,347.90	
33 14 13 53-0161	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,459.34	
33 14 13 53-0162	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,615.51	
33 14 13 53-0163	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,366.60	
33 14 13 53-0164	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,514.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0165	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,849.77	
33 14 13 53-0166	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,909.58	
33 14 13 53-0167	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,264.38	
33 14 13 53-0168	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,866.72	
33 14 13 53-0169	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,120.30	
33 14 13 53-0170	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,066.53	
33 14 13 53-0171	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,201.76	
33 14 13 53-0172	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,385.59	
33 14 13 53-0173	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,241.97	
33 14 13 53-0174	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,396.33	

33 14 13 53-0175 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0176	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,139.90	
33 14 13 53-0177	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,234.77	
33 14 13 53-0178	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,308.87	
33 14 13 53-0179	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,326.96	
33 14 13 53-0180	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,412.85	
33 14 13 53-0181	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,676.33	
33 14 13 53-0182	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,523.62	
33 14 13 53-0183	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,619.23	
33 14 13 53-0184	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,855.01	
33 14 13 53-0185	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,540.22	
33 14 13 53-0186	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,734.99	
33 14 13 53-0187	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,866.59	
33 14 13 53-0188	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,179.20	
33 14 13 53-0189	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,587.56	
33 14 13 53-0190	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,898.94	
33 14 13 53-0191	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,978.86	
33 14 13 53-0192	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,141.08	
33 14 13 53-0193	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,493.52	
33 14 13 53-0194	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,902.28	
33 14 13 53-0195	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,116.83	
33 14 13 53-0196	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,428.12	
33 14 13 53-0197	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,651.16	
33 14 13 53-0198	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,820.28	
33 14 13 53-0199	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,260.04	
33 14 13 53-0200	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,557.24	
33 14 13 53-0201	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,667.18	
33 14 13 53-0202	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,002.26	
33 14 13 53-0203	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,178.93	
33 14 13 53-0204	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,564.94	
33 14 13 53-0205	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,076.78	
33 14 13 53-0206	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,868.62	
33 14 13 53-0207	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,202.84	
33 14 13 53-0208	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,345.72	
33 14 13 53-0209	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,067.07	
33 14 13 53-0210	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,467.04	
33 14 13 53-0211	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,414.73	
33 14 13 53-0212	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,459.28	
33 14 13 53-0213	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,631.31	
33 14 13 53-0214	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,493.03	
33 14 13 53-0215	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,951.32	

33 14 13 53-0216 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0217	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	288.30	49.02
33 14 13 53-0218	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	361.13	61.81
33 14 13 53-0219	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	473.85	85.26
33 14 13 53-0220	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	616.70	100.17
33 14 13 53-0221	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	979.64	112.97
33 14 13 53-0222	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,093.98	127.89

33 14 13 53-0223 Steel Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0224	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	426.36	49.02
33 14 13 53-0225	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	503.19	61.81
33 14 13 53-0226	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	671.17	85.26
33 14 13 53-0227	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	822.07	100.17
33 14 13 53-0228	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,005.99	112.97
33 14 13 53-0229	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,173.20	127.89
33 14 13 53-0230	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,396.69	140.68
33 14 13 53-0231	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,657.48	153.47
33 14 13 53-0232	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,960.56	168.81
33 14 13 53-0233	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,320.31	185.69

33 14 13 53-0234 Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*

33 14 13 53-0235	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	370.37	61.81
33 14 13 53-0236	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	496.64	85.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0237	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	548.50	100.17
33 14 13 53-0238	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	809.13	112.97
33 14 13 53-0239	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,034.54	127.89
33 14 13 53-0240	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,161.02	140.68
33 14 13 53-0241	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,367.73	153.47
33 14 13 53-0242	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,535.76	168.81
33 14 13 53-0243	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,849.94	185.69
33 14 13 53-0244	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,233.33	204.28
33 14 13 53-0245	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,701.42	224.66
33 14 13 53-0246	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,358.88	247.16

33 14 13 53-0247 Ductile Iron Body, Omni Coupling System *(33 14 13 53)*

33 14 13 53-0248	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	127.39	34.11
33 14 13 53-0249	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	157.50	40.50
33 14 13 53-0250	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	195.27	49.02
33 14 13 53-0251	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	245.17	61.81
33 14 13 53-0252	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	326.40	85.26
33 14 13 53-0253	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	397.41	100.17
33 14 13 53-0254	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	499.51	112.97
33 14 13 53-0255	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	585.20	127.89
33 14 13 53-0256	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	832.43	140.68
33 14 13 53-0257	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,043.90	153.47

33 14 15 Water Service Connections *(33 14)*

33 14 15 23 Water Service Hydrants *(33 14 15)*

33 14 15 23-0001 Yard Hydrants *(33 14 15 23)*

Note: With 3/4" hose thread outlet.

33 14 15 23-0002	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	182.43	27.45
33 14 15 23-0003	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	192.41	27.45
33 14 15 23-0004	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	202.40	27.45
33 14 15 23-0005	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	233.42	34.77
33 14 15 23-0006	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	243.57	34.77
33 14 15 23-0007	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	253.71	34.77

33 14 15 23-0008 Sanitary Yard Hydrants *(33 14 15 23)*

Note: With 3/4" hose thread outlet.

33 14 15 23-0009	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	673.95	57.19
33 14 15 23-0010	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	705.14	57.19
33 14 15 23-0011	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	736.34	57.19

33 14 15 23-0012 Flushing Hydrants *(33 14 15 23)*

33 14 15 23-0013	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	482.48	35.30

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set.

33 14 19 00-0001 Accessories For Valves *(33 14 19)*

33 14 19 00-0002	EA	1' Valve Extension Stem	74.56	
		For Each Additional LF, Add	*5.11*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	902.10	84.23
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,021.40	92.65
33 14 19 00-0005	EA	Adjust Water Valve Box To Grade	84.23	

33 14 19 00-0006 Roadway Or Curb Valve Boxes *(33 14 19)*

33 14 19 00-0007 Round Head, Cast Iron Service, Roadway Or Valve Boxes *(33 14 19 00-0006)*

33 14 19 00-0008	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	133.95	11.12
33 14 19 00-0009	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	153.96	11.12
33 14 19 00-0010	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	154.88	11.12
33 14 19 00-0011	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	42.32	5.56
33 14 19 00-0012	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	47.61	5.56
33 14 19 00-0013	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	55.58	5.56
33 14 19 00-0014	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	199.33	13.90
33 14 19 00-0015	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	340.97	19.45
33 14 19 00-0016	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	378.29	19.45
33 14 19 00-0017	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	206.73	13.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0018	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	215.64	13.90
33 14 19 00-0019	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	208.83	13.90
33 14 19 00-0020	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	76.18	5.56
33 14 19 00-0021	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	133.50	22.88
33 14 19 00-0022	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	137.55	23.79
33 14 19 00-0023	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	152.92	24.71
33 14 19 00-0024	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	204.22	26.08
33 14 19 00-0025	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	244.45	27.45
33 14 19 00-0026	EA	18" Cast Iron Service Box Extension Section	56.13	
33 14 19 00-0027		Plastic Roadway Grade Water Meter Box And Cover *(33 14 19 00-0006)*		
33 14 19 00-0028	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	176.98	32.03
33 14 19 00-0029	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	132.24	22.88
33 14 19 00-0030	EA	Cast Iron Lid For Plastic Meter Box	37.84	
33 14 19 00-0031		Traffic Valve Box And Lid *(33 14 19 00-0006)*		
33 14 19 00-0032	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	135.56	
33 14 19 00-0033	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	398.00	
33 14 19 00-0034		Roadway Utility Box *(33 14 19)*		
33 14 19 00-0035		Utility Box *(33 14 19 00-0034)* Note: Christy Concrete Products.		
33 14 19 00-0036		B3 Utility Box, 9-3/8" x 15-1/2" *(33 14 19 00-0035)*		
33 14 19 00-0037	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	65.75	41.80
33 14 19 00-0038	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	48.99	4.64
33 14 19 00-0039	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	23.25	4.64
33 14 19 00-0040	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	101.31	4.64
33 14 19 00-0041	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	35.81	9.29
33 14 19 00-0042	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	47.19	9.29
33 14 19 00-0043		B9 Utility Box, 10-1/4" x 17-1/4" *(33 14 19 00-0035)*		
33 14 19 00-0044	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	82.40	55.72
33 14 19 00-0045	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	57.52	5.57
33 14 19 00-0046	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	26.24	5.57
33 14 19 00-0047	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	106.04	4.64
33 14 19 00-0048	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	38.94	9.29
33 14 19 00-0049	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	53.73	13.93
33 14 19 00-0050	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	73.21	25.54
33 14 19 00-0051		B12 Utility Box, 12" x 20" *(33 14 19 00-0035)*		
33 14 19 00-0052	EA	12" x 20" Precast Concrete Utility Box	90.12	60.37
33 14 19 00-0053	EA	Cast Iron Lid For 12" x 20" Utility Box	100.34	6.96
33 14 19 00-0054	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	37.12	9.29
33 14 19 00-0055	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	145.83	9.29
33 14 19 00-0056	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	94.61	32.51
33 14 19 00-0057		B16 Utility Box, 12" x 22-1/4" *(33 14 19 00-0035)*		
33 14 19 00-0058	EA	12" x 22-1/4" Precast Concrete Utility Box	104.31	70.58
33 14 19 00-0059	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	114.87	9.29
33 14 19 00-0060	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	43.56	9.29
33 14 19 00-0061	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	146.60	9.29
33 14 19 00-0062	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	64.08	15.79
33 14 19 00-0063	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	95.68	32.51
33 14 19 00-0064		B30 Utility Box, 13-1/4" x 24" *(33 14 19 00-0035)*		
33 14 19 00-0065	EA	13-1/4" x 24" Precast Concrete Utility Box	124.90	83.58
33 14 19 00-0066	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	61.16	14.86
33 14 19 00-0067	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	181.86	12.07
33 14 19 00-0068	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	64.08	15.79
33 14 19 00-0069	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	100.08	26.00
33 14 19 00-0070	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	75.36	17.64
33 14 19 00-0071	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	123.64	41.80
33 14 19 00-0072		B36 Utility Box, 17-1/4" x 30" *(33 14 19 00-0035)*		
33 14 19 00-0073	EA	17-1/4" x 30" Precast Concrete Utility Box	161.47	105.88
33 14 19 00-0074	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	101.05	25.54
33 14 19 00-0075	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	230.63	17.64
33 14 19 00-0076	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	102.04	33.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0077	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box	152.20	37.15
33 14 19 00-0078	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	163.04	53.87
33 14 19 00-0079		B40 Utility Box, 24-1/2" x 36" *(33 14 19 00-0035)*		
33 14 19 00-0080	EA	24-1/2" x 36" Precast Concrete Utility Box	304.77	163.46
33 14 19 00-0081	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	267.48	61.30
33 14 19 00-0082	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	329.55	26.93
33 14 19 00-0083	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	226.56	57.58
33 14 19 00-0084	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	239.62	60.37
33 14 19 00-0085		B48 Utility Box, 30-1/4" x 48-1/4" *(33 14 19 00-0035)*		
33 14 19 00-0086	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	405.71	185.75
33 14 19 00-0087	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	386.35	101.23
33 14 19 00-0088	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	459.30	101.23
33 14 19 00-0089	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	525.72	46.44
33 14 19 00-0090	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	373.21	125.38
33 14 19 00-0091	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	306.59	84.51
33 14 19 00-0092		Water Utility Distribution Valves *(33 14 19)*		
33 14 19 00-0093		Angle Valves *(33 14 19 00-0092)* Note: For connecting meters to water service.		
33 14 19 00-0094		Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0093)* Note: Nibco T-335Y		
33 14 19 00-0095	EA	1/2" Threaded, Class 150, Bronze Angle Valve	52.62	14.64
33 14 19 00-0096	EA	3/4" Threaded, Class 150, Bronze Angle Valve	70.96	19.68
33 14 19 00-0097	EA	1" Threaded, Class 150, Bronze Angle Valve	92.54	24.25
33 14 19 00-0098	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	118.59	30.47
33 14 19 00-0099	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	144.84	35.23
33 14 19 00-0100	EA	2" Threaded, Class 150, Bronze Angle Valve	203.85	41.18
33 14 19 00-0101	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	314.75	56.18
33 14 19 00-0102	EA	3" Threaded, Class 150, Bronze Angle Valve	454.88	64.86
33 14 19 00-0103		Butterfly Valves *(33 14 19 00-0092)*		
33 14 19 00-0104		Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves *(33 14 19 00-0103)*		
33 14 19 00-0105	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,157.61	155.56
33 14 19 00-0106	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,320.34	155.56
33 14 19 00-0107	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,280.31	240.65
33 14 19 00-0108	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,443.04	240.65
33 14 19 00-0109	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,512.57	286.95
33 14 19 00-0110	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,675.30	286.95
33 14 19 00-0111	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,750.06	366.66
33 14 19 00-0112	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,913.83	366.66
33 14 19 00-0113	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16)	2,294.10	446.37
33 14 19 00-0114	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	2,708.70	446.37
33 14 19 00-0115	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24)	2,701.64	541.05
33 14 19 00-0116	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	3,040.58	541.05
33 14 19 00-0117	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12)	3,511.69	697.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0118	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,067.25	697.37
33 14 19 00-0119	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	4,175.14	767.10
33 14 19 00-0120	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,529.62	767.10
33 14 19 00-0121	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	5,189.80	850.80
33 14 19 00-0122	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	5,544.28	850.80
33 14 19 00-0123	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30)	6,121.99	958.88
33 14 19 00-0124	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	6,345.87	958.88
33 14 19 00-0125	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30)	9,004.29	1,176.82
33 14 19 00-0126	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20)	9,228.18	1,176.82
33 14 19 00-0127	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	20,552.17	1,997.08
33 14 19 00-0128	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	24,112.37	2,662.77
33 14 19 00-0129	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32)	31,049.27	3,994.15
33 14 19 00-0130	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24)	37,783.64	4,992.70
33 14 19 00-0131		Check Valves *(33 14 19 00-0092)*		
33 14 19 00-0132		Flanged, Swing Type Gravity Operated Check Valves *(33 14 19 00-0131)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0133	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	576.69	122.13
33 14 19 00-0134	EA	3" Flanged, Swing Type Gravity Operated Check Valve	602.76	143.19
33 14 19 00-0135	EA	4" Flanged, Swing Type Gravity Operated Check Valve	882.04	181.09
33 14 19 00-0136	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,158.64	272.49
33 14 19 00-0137	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,215.08	304.31
33 14 19 00-0138	EA	6" Flanged, Swing Type Gravity Operated Check Valve	1,166.21	303.23
33 14 19 00-0139	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,495.07	344.68
33 14 19 00-0140	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,574.15	387.46
33 14 19 00-0141	EA	8" Flanged, Swing Type Gravity Operated Check Valve	1,631.51	387.46
33 14 19 00-0142	EA	10" Flanged, Swing Type Gravity Operated Check Valve	2,653.39	471.69
33 14 19 00-0143	EA	12" Flanged, Swing Type Gravity Operated Check Valve	3,938.08	353.76
33 14 19 00-0144	EA	14" Flanged, Swing Type Gravity Operated Check Valve	5,441.01	697.37
33 14 19 00-0145	EA	16" Flanged, Swing Type Gravity Operated Check Valve	7,151.74	767.10
33 14 19 00-0146	EA	18" Flanged, Swing Type Gravity Operated Check Valve	10,235.80	850.80
33 14 19 00-0147	EA	20" Flanged, Swing Type Gravity Operated Check Valve	11,900.32	958.88
33 14 19 00-0148		Combination Air Release Valves *(33 14 19 00-0092)*		
33 14 19 00-0149	EA	1" Combination Air Release Valve	425.06	17.68
33 14 19 00-0150	EA	2" Combination Air Release Valve	686.51	30.32
33 14 19 00-0151		Corporation Stop And Curb Valve *(33 14 19 00-0092)* Note: AWWA C800		
33 14 19 00-0152		Ball Corporation Valves *(33 14 19 00-0151)* Note: Mueller B-25000.		
33 14 19 00-0153	EA	3/4" Ball Corporation Valve	70.17	17.68
33 14 19 00-0154	EA	1" Ball Corporation Valve	88.23	21.90
33 14 19 00-0155	EA	1-1/2" Ball Corporation Valve	159.16	32.01
33 14 19 00-0156	EA	2" Ball Corporation Valve	241.36	37.90
33 14 19 00-0157		Gate Valve, AWWA C500 And C509 *(33 14 19 00-0092)*		
33 14 19 00-0158		Gate Valve, Flanged *(33 14 19 00-0157)* Note: Mueller A-2380-6.		
33 14 19 00-0159	EA	2" Gate Valve, Flanged	379.34	112.28
33 14 19 00-0160	EA	2-1/2" Gate Valve, Flanged	438.48	122.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0161	EA	3" Gate Valve, Flanged	517.83	143.19
33 14 19 00-0162	EA	4" Gate Valve, Flanged	737.21	179.41
33 14 19 00-0163	EA	6" Gate Valve, Flanged	886.23	303.23
33 14 19 00-0164	EA	8" Gate Valve, Flanged	1,271.77	387.46
33 14 19 00-0165	EA	10" Gate Valve, Flanged	1,845.72	471.69
33 14 19 00-0166	EA	12" Gate Valve, Flanged	2,224.12	353.76
33 14 19 00-0167	EA	14" Gate Valve, Flanged	4,493.72	697.37
33 14 19 00-0168	EA	16" Gate Valve, Flanged	5,798.95	767.10
33 14 19 00-0169	EA	18" Gate Valve, Flanged	8,985.84	850.80
33 14 19 00-0170	EA	20" Gate Valve, Flanged	10,713.51	958.88
33 14 19 00-0171		Resilient Wedge Gate Valve, Flanged *(33 14 19 00-0157)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0172	EA	2" Resilient Wedge Gate Valve, Flanged	365.83	112.28
33 14 19 00-0173	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	422.32	122.13
33 14 19 00-0174	EA	3" Resilient Wedge Gate Valve, Flanged	498.66	143.19
33 14 19 00-0175	EA	4" Resilient Wedge Gate Valve, Flanged	715.79	179.41
33 14 19 00-0176	EA	6" Resilient Wedge Gate Valve, Flanged	857.59	303.23
33 14 19 00-0177	EA	8" Resilient Wedge Gate Valve, Flanged	1,227.03	387.46
33 14 19 00-0178	EA	10" Resilient Wedge Gate Valve, Flanged	1,774.63	471.69
33 14 19 00-0179	EA	12" Resilient Wedge Gate Valve, Flanged	2,138.28	353.76
33 14 19 00-0180		Gate Valve, Mechanical Joint *(33 14 19 00-0157)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0181	EA	2" Gate Valve, Mechanical Joint	452.04	89.71
33 14 19 00-0182	EA	2-1/2" Gate Valve, Mechanical Joint	504.73	112.44
33 14 19 00-0183	EA	3" Gate Valve, Mechanical Joint	629.03	136.03
33 14 19 00-0184	EA	4" Gate Valve, Mechanical Joint	767.12	179.41
33 14 19 00-0185	EA	6" Gate Valve, Mechanical Joint	949.68	210.57
33 14 19 00-0186	EA	8" Gate Valve, Mechanical Joint	1,327.62	252.69
33 14 19 00-0187	EA	10" Gate Valve, Mechanical Joint	1,867.42	294.80
33 14 19 00-0188	EA	12" Gate Valve, Mechanical Joint	2,322.64	353.76
33 14 19 00-0189	EA	14" Gate Valve, Mechanical Joint	4,744.98	427.14
33 14 19 00-0190	EA	16" Gate Valve, Mechanical Joint	6,074.21	479.44
33 14 19 00-0191	EA	18" Gate Valve, Mechanical Joint	9,479.17	531.75
33 14 19 00-0192	EA	20" Gate Valve, Mechanical Joint	11,245.50	599.30
33 14 19 00-0193		Resilient Wedge Gate Valve, Mechanical Joint *(33 14 19 00-0157)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0194	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	436.61	89.71
33 14 19 00-0195	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	608.82	136.03
33 14 19 00-0196	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	744.01	179.41
33 14 19 00-0197	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	919.77	210.57
33 14 19 00-0198	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	1,281.08	252.69
33 14 19 00-0199	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	1,795.09	294.80
33 14 19 00-0200	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	2,231.20	353.76
33 14 19 00-0201		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0157)*		
		Note: Mueller A-2361.		
33 14 19 00-0202	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,441.14	697.37
33 14 19 00-0203	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,831.47	767.10
33 14 19 00-0204	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	7,401.21	850.80
33 14 19 00-0205	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,812.10	958.88
33 14 19 00-0206	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	12,445.41	1,176.82
33 14 19 00-0207		Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0157)*		
		Note: NIBCO T-113.		
33 14 19 00-0208	EA	1/4" Gate Valve, Bronze, Threaded	35.97	14.73
33 14 19 00-0209	EA	3/8" Gate Valve, Bronze, Threaded	37.37	14.73
33 14 19 00-0210	EA	1/2" Gate Valve, Bronze, Threaded	37.96	14.73
33 14 19 00-0211	EA	3/4" Gate Valve, Bronze, Threaded	49.84	19.90
33 14 19 00-0212	EA	1" Gate Valve, Bronze, Threaded	60.96	24.06
33 14 19 00-0213	EA	1-1/4" Gate Valve, Bronze, Threaded	80.45	30.47
33 14 19 00-0214	EA	1-1/2" Gate Valve, Bronze, Threaded	93.13	35.23
33 14 19 00-0215	EA	2" Gate Valve, Bronze, Threaded	111.80	41.18
33 14 19 00-0216	EA	2-1/2" Gate Valve, Bronze, Threaded	189.33	56.18
33 14 19 00-0217	EA	3" Gate Valve, Bronze, Threaded	224.20	64.43
33 14 19 00-0218		Globe Valve, AWWA *(33 14 19 00-0092)*		
33 14 19 00-0219		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0218)*		
		Note: NIBCO T-235.		
33 14 19 00-0220	EA	1/8" Globe Valve, Threaded	46.41	14.73
33 14 19 00-0221	EA	1/4" Globe Valve, Threaded	43.59	14.73
33 14 19 00-0222	EA	3/8" Globe Valve, Threaded	44.99	14.73
33 14 19 00-0223	EA	1/2" Globe Valve, Threaded	46.41	14.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0224	EA	3/4" Globe Valve, Threaded	62.91	19.90
33 14 19 00-0225	EA	1" Globe Valve, Threaded	84.07	24.06
33 14 19 00-0226	EA	1-1/4" Globe Valve, Threaded	117.79	30.47
33 14 19 00-0227	EA	1-1/2" Globe Valve, Threaded	139.32	35.23
33 14 19 00-0228	EA	2" Globe Valve, Threaded	185.77	41.18
33 14 19 00-0229	EA	2-1/2" Globe Valve, Threaded	319.85	56.18
33 14 19 00-0230	EA	3" Globe Valve, Threaded	424.77	64.78
33 14 19 00-0231		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0092)*		
33 14 19 00-0232		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0231)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0233	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	508.18	112.28
33 14 19 00-0234	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	653.96	143.19
33 14 19 00-0235	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	868.71	179.41
33 14 19 00-0236	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,087.17	303.23
33 14 19 00-0237	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,529.48	387.46
33 14 19 00-0238	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,158.90	471.69
33 14 19 00-0239	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,105.97	353.76
33 14 19 00-0240	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,400.80	697.37
33 14 19 00-0241	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,759.46	767.10
33 14 19 00-0242	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,688.99	850.80
33 14 19 00-0243		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0244		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0243)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0245	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,601.11	223.19
33 14 19 00-0246	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,649.31	223.19
33 14 19 00-0247	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,697.64	223.19
33 14 19 00-0248	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,761.68	239.13
33 14 19 00-0249	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,809.93	239.13
33 14 19 00-0250	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,878.15	259.05
33 14 19 00-0251	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,926.32	259.05
33 14 19 00-0252	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,994.57	278.98
33 14 19 00-0253	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,042.82	278.98
33 14 19 00-0254	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,110.92	298.91
33 14 19 00-0255	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,179.09	318.84
33 14 19 00-0256	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,267.09	358.69
33 14 19 00-0257	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,645.10	223.19
33 14 19 00-0258	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,707.65	223.19
33 14 19 00-0259	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,770.06	223.19
33 14 19 00-0260	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,848.40	239.13
33 14 19 00-0261	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,910.80	239.13
33 14 19 00-0262	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,993.36	259.05
33 14 19 00-0263	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,055.68	259.05
33 14 19 00-0264	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,138.08	278.98
33 14 19 00-0265	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,200.47	278.98
33 14 19 00-0266	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,282.69	298.91
33 14 19 00-0267	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,365.18	318.84
33 14 19 00-0268	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,467.32	358.69
33 14 19 00-0269		Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0243)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0270	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,336.51	223.19
33 14 19 00-0271	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,384.54	223.19
33 14 19 00-0272	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,432.85	223.19
33 14 19 00-0273	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,497.09	239.13
33 14 19 00-0274	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,545.19	239.13
33 14 19 00-0275	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,613.30	259.05
33 14 19 00-0276	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,661.55	259.05
33 14 19 00-0277	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,729.84	278.98
33 14 19 00-0278	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,777.98	278.98
33 14 19 00-0279	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,846.35	298.91
33 14 19 00-0280	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,914.21	318.84
33 14 19 00-0281	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,002.32	358.69
33 14 19 00-0282	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,404.46	223.19
33 14 19 00-0283	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,466.88	223.19
33 14 19 00-0284	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,529.20	223.19
33 14 19 00-0285	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,607.70	239.13
33 14 19 00-0286	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,669.95	239.13
33 14 19 00-0287	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,752.40	259.05
33 14 19 00-0288	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,814.67	259.05
33 14 19 00-0289	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,897.27	278.98
33 14 19 00-0290	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,959.52	278.98
33 14 19 00-0291	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,041.96	298.91
33 14 19 00-0292	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,124.14	318.84
33 14 19 00-0293	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,226.62	358.69

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0294		Three Way, Modern Model Fire Hydrant *(33 14 19 00-0243)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0295	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,713.61	223.19
33 14 19 00-0296	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	2,775.93	223.19
33 14 19 00-0297	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,838.44	223.19
33 14 19 00-0298	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	2,916.82	239.13
33 14 19 00-0299	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,979.19	239.13
33 14 19 00-0300	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	3,061.51	259.05
33 14 19 00-0301	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,123.96	259.05
33 14 19 00-0302	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	3,206.31	278.98
33 14 19 00-0303	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,268.70	278.98
33 14 19 00-0304	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	3,351.03	278.98
33 14 19 00-0305	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,433.55	318.84
33 14 19 00-0306	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	3,535.04	318.84
33 14 19 00-0307		Two Way, Modern Model Fire Hydrant *(33 14 19 00-0243)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0308	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,932.11	223.19
33 14 19 00-0309	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	1,979.54	223.19
33 14 19 00-0310	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,027.50	223.19
33 14 19 00-0311	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,090.31	239.13
33 14 19 00-0312	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,137.73	239.13
33 14 19 00-0313	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	2,205.06	259.05
33 14 19 00-0314	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,252.46	259.05
33 14 19 00-0315	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	2,319.86	278.98
33 14 19 00-0316	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,367.14	278.98
33 14 19 00-0317	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	2,434.50	298.91
33 14 19 00-0318	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,501.91	318.84
33 14 19 00-0319	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	2,588.58	358.69
33 14 19 00-0320		Safetop Model With Breakable Section *(33 14 19 00-0243)*		
		Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0321	EA	4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,058.50	318.84
33 14 19 00-0322	EA	6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,142.67	318.84
33 14 19 00-0323	EA	8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,272.45	318.84
33 14 19 00-0324		Fire Hydrant Extension Kits *(33 14 19 00-0243)*		
33 14 19 00-0325	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	403.83	19.93
33 14 19 00-0326	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	479.96	24.91
33 14 19 00-0327	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	523.82	29.89
33 14 19 00-0328	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	595.74	36.87
33 14 19 00-0329	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	897.58	38.36
33 14 19 00-0330	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	958.53	39.85
33 14 19 00-0331	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	973.28	41.85
33 14 19 00-0332	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,028.07	44.84
33 14 19 00-0333	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,133.91	53.80
33 14 19 00-0334	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,197.53	64.76
33 14 19 00-0335	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	449.20	22.32
33 14 19 00-0336	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	532.11	27.10
33 14 19 00-0337	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	610.75	32.68
33 14 19 00-0338	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	683.22	40.65
33 14 19 00-0339	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	933.94	42.25
33 14 19 00-0340	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	995.68	43.84
33 14 19 00-0341	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,038.31	46.23
33 14 19 00-0342	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,213.97	49.42
33 14 19 00-0343	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,331.02	58.98
33 14 19 00-0344	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,399.63	70.94
33 14 19 00-0345		Remove And Reinstall Standard Fire Hydrant *(33 14 19 00-0243)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0346	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	637.67	
33 14 19 00-0347	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	929.94	
33 14 19 00-0348	EA	Reset Fire Hydrant Upper Barrel	778.09	
		Note: Includes Safety Repair Kit		

33 14 23 Enclosures for Water Utility Piping and Valves *(33 14)*

See CSI section 22 11 19 00-0454 for Enclosures.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 11 Water Utility Metering *(33 19)*

33 19 11 00-0001		Bronze Disk Type Water Service Meters *(33 19 11)*		
33 19 11 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	140.99	47.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 11 00-0003	EA	3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	175.49	56.73
33 19 11 00-0004	EA	1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	229.76	64.97
33 19 11 00-0005	EA	1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	431.61	97.00
33 19 11 00-0006	EA	2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	582.33	126.28
33 19 11 00-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 11)*		
33 19 11 00-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	313.77	47.59
		For Owner Furnished Material, Deduct	*-265.61*	
33 19 11 00-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	358.49	56.73
		For Owner Furnished Material, Deduct	*-301.30*	
33 19 11 00-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	527.67	64.97
		For Owner Furnished Material, Deduct	*-462.31*	
33 19 11 00-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	888.91	97.00
		For Owner Furnished Material, Deduct	*-791.57*	
33 19 11 00-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,102.53	126.28
		For Owner Furnished Material, Deduct	*-975.44*	
33 19 11 00-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	249.23	22.88
		For Owner Furnished Material, Deduct	*-226.35*	
33 19 11 00-0014		Flanged Compound Type Water Service Meter *(33 19 11)*		
33 19 11 00-0015	EA	2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,577.13	112.28
33 19 11 00-0016	EA	3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,845.73	143.19
33 19 11 00-0017	EA	4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,312.85	271.22
33 19 11 00-0018	EA	6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,263.54	303.23
33 19 11 00-0019	EA	8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	8,726.07	387.46
33 19 11 00-0020	EA	10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	14,916.56	471.69
33 19 11 00-0021		Flanged Turbine Water Service Meter *(33 19 11)*		
33 19 11 00-0022		Vertical Turbine Meters *(33 19 11 00-0021)*		
33 19 11 00-0023	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	418.99	88.44
33 19 11 00-0024	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	579.65	112.28
33 19 11 00-0025	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	956.38	143.19
33 19 11 00-0026	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	1,693.97	333.72
33 19 11 00-0027	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	2,678.11	303.23
33 19 11 00-0028		Horizontal Turbine Meters *(33 19 11 00-0021)*		
33 19 11 00-0029	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	624.44	88.44
33 19 11 00-0030	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	872.95	112.28
33 19 11 00-0031	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	1,073.97	143.19
33 19 11 00-0032	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	1,849.40	333.72
33 19 11 00-0033	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	3,244.43	303.23
33 19 11 00-0034	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	4,334.72	387.46
33 19 11 00-0035	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	6,041.95	471.69
33 19 11 00-0036	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	7,938.82	951.80

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001		Cast Iron Service Saddles With U Bolt *(33 31 11)*		
33 31 11 00-0002	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	89.55	
33 31 11 00-0003	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	89.98	
33 31 11 00-0004	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	99.12	
33 31 11 00-0005	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	95.76	
33 31 11 00-0006	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	107.87	
33 31 11 00-0007	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	121.05	
33 31 11 00-0008	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	143.29	
33 31 11 00-0009	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	120.91	
33 31 11 00-0010	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	129.59	
33 31 11 00-0011	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	152.57	
33 31 11 00-0012	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	126.72	
33 31 11 00-0013	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	98.21	
33 31 11 00-0014	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	107.35	
33 31 11 00-0015	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	126.77	
33 31 11 00-0016	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	150.32	
33 31 11 00-0017	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	161.32	
33 31 11 00-0018		Plastic Sewer And Drain Piping *(33 31 11)*		

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0019		Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)*		
33 31 11 00-0020	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.56	2.07
33 31 11 00-0021	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.38	2.42
33 31 11 00-0022	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.76	2.81
33 31 11 00-0023	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.19	3.26
33 31 11 00-0024	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.49	3.79
33 31 11 00-0025	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.35	4.41
33 31 11 00-0026	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.68	4.56
33 31 11 00-0027	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.55	4.73
33 31 11 00-0028		Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)* Note: D-2729 PVC pipe.		
33 31 11 00-0029	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.24	2.81
33 31 11 00-0030	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.31	3.26
33 31 11 00-0031	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.13	3.79
33 31 11 00-0032		Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0018)*		
33 31 11 00-0033		1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0032)*		
33 31 11 00-0034	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.92	10.79
33 31 11 00-0035	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.82	13.96
33 31 11 00-0036	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.01	18.74
33 31 11 00-0037	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.51	21.67
33 31 11 00-0038	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	79.07	28.16
33 31 11 00-0039	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	119.83	37.90
33 31 11 00-0040	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	158.84	50.49
33 31 11 00-0041		1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0032)*		
33 31 11 00-0042	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.09	10.79
33 31 11 00-0043	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.80	13.96
33 31 11 00-0044	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.76	18.74
33 31 11 00-0045	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.28	21.67
33 31 11 00-0046	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	75.96	28.16
33 31 11 00-0047	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	112.59	37.90
33 31 11 00-0048	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	137.56	50.49
33 31 11 00-0049	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	194.54	67.24
33 31 11 00-0050		Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0032)*		
33 31 11 00-0051	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.74	10.63
33 31 11 00-0052	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.98	13.96
33 31 11 00-0053	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.64	19.16
33 31 11 00-0054	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	46.57	23.38
33 31 11 00-0055	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	66.65	27.03
33 31 11 00-0056	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	95.32	30.84
33 31 11 00-0057	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	136.82	35.95
33 31 11 00-0058	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	190.56	41.91
33 31 11 00-0059		1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0032)*		
33 31 11 00-0060	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.45	10.79
33 31 11 00-0061	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.16	13.96
33 31 11 00-0062	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.80	18.74
33 31 11 00-0063	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.21	21.67
33 31 11 00-0064	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	89.42	28.16
33 31 11 00-0065	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	134.90	37.90
33 31 11 00-0066	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	162.27	50.49
33 31 11 00-0067	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	186.30	67.24
33 31 11 00-0068		Reducers, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0032)*		
33 31 11 00-0069	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	19.95	12.32
33 31 11 00-0070	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	26.68	14.71
33 31 11 00-0071	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	28.21	16.22
33 31 11 00-0072	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	34.26	17.72
33 31 11 00-0073	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	38.19	20.11
33 31 11 00-0074	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	69.80	24.89
33 31 11 00-0075	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	122.75	33.00
33 31 11 00-0076	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	79.08	36.03
33 31 11 00-0077	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	97.97	39.31
33 31 11 00-0078	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	99.71	44.15
33 31 11 00-0079	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	144.86	47.72
33 31 11 00-0080	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	155.77	52.55
33 31 11 00-0081	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	169.10	58.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0082		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0083	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	25.74	16.32
33 31 11 00-0084	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	33.45	21.10
33 31 11 00-0085	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	46.71	27.84
33 31 11 00-0086	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	61.20	34.58
33 31 11 00-0087	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	111.38	37.90
33 31 11 00-0088	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	146.29	50.49
33 31 11 00-0089		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0090	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	27.04	16.32
33 31 11 00-0091	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	34.20	21.10
33 31 11 00-0092	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	47.68	27.84
33 31 11 00-0093	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	62.77	34.58
33 31 11 00-0094	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	105.49	37.90
33 31 11 00-0095	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	135.11	50.49
33 31 11 00-0096	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	178.89	67.37
33 31 11 00-0097	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	261.18	89.90
33 31 11 00-0098		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0099	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	29.06	16.32
33 31 11 00-0100	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	36.17	21.10
33 31 11 00-0101	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	46.34	27.84
33 31 11 00-0102	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	60.62	34.58
33 31 11 00-0103	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	62.09	34.58
33 31 11 00-0104		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0105	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	37.10	21.10
33 31 11 00-0106	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	48.87	27.84
33 31 11 00-0107	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	74.61	37.58
33 31 11 00-0108	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	105.24	45.45
33 31 11 00-0109	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	48.26	27.84
33 31 11 00-0110	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	69.94	37.58
33 31 11 00-0111	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	97.53	45.45
33 31 11 00-0112		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0113	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.65	16.32
33 31 11 00-0114	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.71	21.10
33 31 11 00-0115	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.24	27.84
33 31 11 00-0116	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	79.73	34.58
33 31 11 00-0117	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.19	21.10
33 31 11 00-0118	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	60.20	27.84
33 31 11 00-0119	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.30	27.84
33 31 11 00-0120	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.40	34.58
33 31 11 00-0121	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	79.53	34.58
33 31 11 00-0122		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0123	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.35	21.10
33 31 11 00-0124	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	49.01	27.84
33 31 11 00-0125	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	68.87	37.58
33 31 11 00-0126	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	134.24	45.45
33 31 11 00-0127	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	315.26	50.33
33 31 11 00-0128		**Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0129	EA	4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	170.94	86.70
33 31 11 00-0130	EA	6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	286.52	111.84
33 31 11 00-0131	EA	8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	384.35	157.61
33 31 11 00-0132	EA	10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	576.42	253.54
33 31 11 00-0133		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0134	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	16.87	10.79
33 31 11 00-0135	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	21.49	13.88
33 31 11 00-0136	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	29.73	18.58
33 31 11 00-0137	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	35.44	21.67
33 31 11 00-0138	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	58.71	28.16
33 31 11 00-0139	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	104.27	37.90
33 31 11 00-0140	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	149.31	50.49
33 31 11 00-0141	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	226.28	67.24

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0142		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0143	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	92.88	59.13
33 31 11 00-0144	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	68.82	44.98
33 31 11 00-0145	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	69.43	44.98
33 31 11 00-0146	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	71.07	44.98
33 31 11 00-0147	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	93.33	59.13
33 31 11 00-0148	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	92.02	59.13
33 31 11 00-0149	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	89.87	59.13
33 31 11 00-0150	EA	4" Drain Grate, Drain And Sewer Fitting	47.14	30.41
33 31 11 00-0151		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0152	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	21.19	11.60
33 31 11 00-0153	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	30.14	14.45
33 31 11 00-0154	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	48.30	18.66
33 31 11 00-0155		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0032)*		
33 31 11 00-0156	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	16.95	10.79
33 31 11 00-0157	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	21.93	13.96
33 31 11 00-0158	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	30.59	18.74
33 31 11 00-0159	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	37.13	21.67
33 31 11 00-0160	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	54.59	28.16
33 31 11 00-0161	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	136.15	37.90
33 31 11 00-0162		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)* Note: ASTM 3034.		
33 31 11 00-0163	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	9.11	3.26
33 31 11 00-0164	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	12.51	3.79
33 31 11 00-0165	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	17.19	4.41
33 31 11 00-0166	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	21.69	4.56
33 31 11 00-0167	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	27.12	4.73
33 31 11 00-0168	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	36.29	4.90
33 31 11 00-0169	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	46.79	5.07
33 31 11 00-0170	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	61.55	5.50
33 31 11 00-0171	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	75.16	5.66
33 31 11 00-0172	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	93.76	6.97
33 31 11 00-0173		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)* Note: ASTM 3034.		
33 31 11 00-0174	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	8.02	3.26
33 31 11 00-0175	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	10.57	3.79
33 31 11 00-0176	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	14.04	4.41
33 31 11 00-0177		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0018)* Note: ASTM 3034.		
33 31 11 00-0178		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0177)*		
33 31 11 00-0179	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	52.08	19.84
33 31 11 00-0180	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	73.42	23.08
33 31 11 00-0181	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	140.54	26.16
33 31 11 00-0182	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	376.53	30.77
33 31 11 00-0183	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	486.24	39.23
33 31 11 00-0184		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0177)*		
33 31 11 00-0185	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	48.17	19.84
33 31 11 00-0186	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	69.12	23.08
33 31 11 00-0187	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	129.65	26.16
33 31 11 00-0188	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	273.98	30.77
33 31 11 00-0189	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	388.72	39.23
33 31 11 00-0190	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	816.35	55.39
33 31 11 00-0191	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,289.63	78.46
33 31 11 00-0192	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,135.72	103.85
33 31 11 00-0193	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,910.23	138.46
33 31 11 00-0194		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0177)*		
33 31 11 00-0195	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	78.69	29.77
33 31 11 00-0196	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.91	33.00
33 31 11 00-0197	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	131.06	34.62
33 31 11 00-0198	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	143.52	36.23
33 31 11 00-0199	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	162.21	37.84
33 31 11 00-0200	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	291.34	39.47
33 31 11 00-0201	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	367.20	40.38
33 31 11 00-0202	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	414.13	42.31
33 31 11 00-0203	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	600.65	43.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0204	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	776.41	46.15
33 31 11 00-0205	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	451.50	49.16
33 31 11 00-0206	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	478.48	50.77
33 31 11 00-0207	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	671.00	52.38
33 31 11 00-0208	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	955.59	54.61
33 31 11 00-0209	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,075.32	58.85

33 31 11 00-0210 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0177)*

33 31 11 00-0211	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	75.66	29.77
33 31 11 00-0212	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.81	33.00
33 31 11 00-0213	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.49	34.62
33 31 11 00-0214	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	139.19	36.23
33 31 11 00-0215	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	157.05	37.84
33 31 11 00-0216	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	229.60	39.47
33 31 11 00-0217	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	338.05	40.70
33 31 11 00-0218	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	345.30	42.31
33 31 11 00-0219	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	507.98	43.92
33 31 11 00-0220	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	560.70	46.15
33 31 11 00-0221	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	427.04	49.16
33 31 11 00-0222	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	440.49	50.77
33 31 11 00-0223	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	618.93	52.38
33 31 11 00-0224	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	740.80	54.61
33 31 11 00-0225	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	774.56	58.85
33 31 11 00-0226	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	953.54	70.77
33 31 11 00-0227	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,055.84	75.00
33 31 11 00-0228	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,313.83	83.08

33 31 11 00-0229 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0177)*

33 31 11 00-0230	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	51.73	19.84
33 31 11 00-0231	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	75.73	23.08
33 31 11 00-0232	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.14	26.31
33 31 11 00-0233	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	191.77	30.77
33 31 11 00-0234	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	269.49	39.23
33 31 11 00-0235	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	514.60	55.39
33 31 11 00-0236	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	952.82	78.46
33 31 11 00-0237	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,574.05	103.85
33 31 11 00-0238	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,271.67	138.46

33 31 11 00-0239 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0177)*

33 31 11 00-0240	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.33	21.46
33 31 11 00-0241	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.50	23.08
33 31 11 00-0242	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	130.45	24.69
33 31 11 00-0243	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	277.02	26.92
33 31 11 00-0244	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	316.97	28.54
33 31 11 00-0245	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	353.74	31.16
33 31 11 00-0246	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	404.24	32.77
33 31 11 00-0247	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	461.99	35.00
33 31 11 00-0248	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	692.42	47.31

33 31 11 00-0249 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0177)*

33 31 11 00-0250	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	77.04	
33 31 11 00-0251	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	100.12	
33 31 11 00-0252	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	101.99	
33 31 11 00-0253	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	160.88	
33 31 11 00-0254	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	168.72	
33 31 11 00-0255	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	303.48	
33 31 11 00-0256	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	184.67	
33 31 11 00-0257	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	199.35	
33 31 11 00-0258	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	416.92	
33 31 11 00-0259	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	487.63	
33 31 11 00-0260	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	218.01	
33 31 11 00-0261	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	230.83	

33 31 11 00-0262 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0177)*

33 31 11 00-0263	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	81.42	
33 31 11 00-0264	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	100.12	
33 31 11 00-0265	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	107.97	
33 31 11 00-0266	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	149.26	
33 31 11 00-0267	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	167.78	
33 31 11 00-0268	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	244.99	
33 31 11 00-0269	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	183.74	
33 31 11 00-0270	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	198.47	
33 31 11 00-0271	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	285.96	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0272	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	343.06	
33 31 11 00-0273	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	217.44	
33 31 11 00-0274	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	226.49	
33 31 11 00-0275	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	355.85	
33 31 11 00-0276	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	390.31	
33 31 11 00-0277	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	538.41	

33 31 11 00-0278 Couplings And Plug Fittings *(33 31 11)*

33 31 11 00-0279 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0278)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.

33 31 11 00-0280	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	15.07	5.57
33 31 11 00-0281	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	16.52	6.50
33 31 11 00-0282	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	18.99	7.43
33 31 11 00-0283	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	21.42	7.89
33 31 11 00-0284	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	25.84	8.36
33 31 11 00-0285	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	30.31	9.29
33 31 11 00-0286	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	37.96	10.21
33 31 11 00-0287	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	46.34	10.68
33 31 11 00-0288	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	87.55	11.14
33 31 11 00-0289	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	119.55	12.07
33 31 11 00-0290	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	231.66	12.54
33 31 11 00-0291	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	269.30	13.24
33 31 11 00-0292	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	298.43	13.93
33 31 11 00-0293	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	357.66	14.86

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,966.98	274.70
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,937.68	274.70
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	943.99	91.54
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,488.55	91.54
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	7,473.10	

33 32 16 00-0007 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	3,390.11	544.65
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	5,148.42	635.43
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	6,286.96	816.98

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

See CSI section 33 42 11 00-0233 for polyethylene drain pipe.

33 41 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16)*

Note: Includes fittings, couplings, elbows, etc.

33 41 16 00-0002	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.56	3.28
33 41 16 00-0003	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.97	3.54
33 41 16 00-0004	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.71	4.25
33 41 16 00-0005	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.90	5.31
33 41 16 00-0006	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	15.24	6.07
33 41 16 00-0007	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.37	7.09
33 41 16 00-0008	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	35.00	8.50

33 41 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 *(33 41 16)*

33 41 16 00-0010	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	24.56	9.42
		For Extra Strength, Add	*1.30*	
		For >1,000, Deduct	*-1.23*	
33 41 16 00-0011	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	28.64	10.47
		For Extra Strength, Add	*1.61*	
		For >1,000, Deduct	*-1.43*	
33 41 16 00-0012	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	32.37	11.52
		For Extra Strength, Add	*1.87*	
		For >1,000, Deduct	*-1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0013	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	37.90	12.56
		For Extra Strength, Add	*2.35*	
		For >1,000, Deduct	*-1.90*	

33 41 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 00-0015	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	20.52	9.42
		For >1,000, Deduct	*-1.03*	
33 41 16 00-0016	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	22.71	10.47
		For >1,000, Deduct	*-1.14*	
33 41 16 00-0017	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	25.05	11.52
		For >1,000, Deduct	*-1.25*	
33 41 16 00-0018	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	28.53	11.96
		For >1,000, Deduct	*-1.43*	
33 41 16 00-0019	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	33.08	13.46
		For >1,000, Deduct	*-1.65*	
33 41 16 00-0020	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	40.95	17.20
		For >1,000, Deduct	*-2.05*	
33 41 16 00-0021	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	51.18	22.06
		For >1,000, Deduct	*-2.56*	
33 41 16 00-0022	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	62.39	26.91
		For >1,000, Deduct	*-3.12*	

33 41 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 41 16)*

33 41 16 00-0024	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	19.19	9.42
		For >1,000, Deduct	*-0.96*	
33 41 16 00-0025	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	24.18	10.47
		For >1,000, Deduct	*-1.21*	
33 41 16 00-0026	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	30.40	11.52
		For >1,000, Deduct	*-1.52*	
33 41 16 00-0027	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	36.72	12.56
		For >1,000, Deduct	*-1.84*	
33 41 16 00-0028	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	42.01	13.98
		For >1,000, Deduct	*-2.10*	
33 41 16 00-0029	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	54.35	17.42
		For >1,000, Deduct	*-2.72*	

33 41 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16)*

33 41 16 00-0031	LF	4" Perforated Vitrified Clay Drainage Pipe	18.52	10.47
33 41 16 00-0032	LF	6" Perforated Vitrified Clay Drainage Pipe	21.89	11.78
33 41 16 00-0033	LF	8" Perforated Vitrified Clay Drainage Pipe	24.42	11.78
33 41 16 00-0034	LF	10" Perforated Vitrified Clay Drainage Pipe	32.28	14.39
33 41 16 00-0035	LF	12" Perforated Vitrified Clay Drainage Pipe	37.90	15.70

33 41 16 00-0036 Geotextile Filter Fabric Sock *(33 41 16)*

33 41 16 00-0037	LF	3" Geotextile Filter Fabric Sock	0.54	
33 41 16 00-0038	LF	4" Geotextile Filter Fabric Sock	0.71	
33 41 16 00-0039	LF	6" Geotextile Filter Fabric Sock	1.08	
33 41 16 00-0040	LF	8" Geotextile Filter Fabric Sock	1.45	
33 41 16 00-0041	LF	10" Geotextile Filter Fabric Sock	2.09	
33 41 16 00-0042	LF	12" Geotextile Filter Fabric Sock	2.82	
33 41 16 00-0043	LF	15" Geotextile Filter Fabric Sock	3.31	

33 41 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 00-0045	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	15.58	4.49
		For Full Perforated, Add	*0.66*	
33 41 16 00-0046	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	19.58	5.44
		For Full Perforated, Add	*0.87*	
33 41 16 00-0047	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	24.72	6.90
		For Full Perforated, Add	*1.09*	
33 41 16 00-0048	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	27.73	8.16
		For Full Perforated, Add	*1.14*	
33 41 16 00-0049	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	31.24	8.44
		For Full Perforated, Add	*1.44*	
33 41 16 00-0050	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	34.84	8.75
		For Full Perforated, Add	*1.73*	
33 41 16 00-0051	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	39.50	9.45
		For Full Perforated, Add	*2.06*	

33 41 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 00-0053	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	16.64	4.49
		For Full Perforated, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0054	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	21.02	5.44
		For Full Perforated, Add	*1.02*	
33 41 16 00-0055	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	26.47	6.90
		For Full Perforated, Add	*1.27*	
33 41 16 00-0056	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	29.44	8.16
		For Full Perforated, Add	*1.31*	
33 41 16 00-0057	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	33.35	8.44
		For Full Perforated, Add	*1.65*	
33 41 16 00-0058	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	37.34	8.75
		For Full Perforated, Add	*1.98*	
33 41 16 00-0059	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	42.42	9.45
		For Full Perforated, Add	*2.35*	

33 41 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 00-0061	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	16.98	4.49
		For Full Perforated, Add	*0.80*	
33 41 16 00-0062	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	21.46	5.44
		For Full Perforated, Add	*1.06*	
33 41 16 00-0063	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	27.04	6.90
		For Full Perforated, Add	*1.32*	
33 41 16 00-0064	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	33.65	8.16
		For Full Perforated, Add	*1.73*	
33 41 16 00-0065	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	38.60	8.44
		For Full Perforated, Add	*2.17*	
33 41 16 00-0066	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	43.71	8.75
		For Full Perforated, Add	*2.62*	
33 41 16 00-0067	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	49.84	9.45
		For Full Perforated, Add	*3.10*	

33 41 16 00-0068 Prefabricated Composite Drains *(33 41 16)*

33 41 16 00-0069 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 00-0068)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 00-0070	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	6.84	1.70
		For External Typar Geotextile Wrap, Add	*1.08*	
33 41 16 00-0071	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.82	
33 41 16 00-0072	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.82	
33 41 16 00-0073	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.84	
33 41 16 00-0074	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.84	
33 41 16 00-0075	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	10.60	2.12
		For External Typar Geotextile Wrap, Add	*1.62*	
33 41 16 00-0076	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	42.67	
33 41 16 00-0077	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	42.67	
33 41 16 00-0078	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	60.87	
33 41 16 00-0079	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	60.87	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 00-0001 Capillary Water Barrier Underslab Drainage *(33 41 19)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 00-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	47.10	
33 41 19 00-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	45.11	
33 41 19 00-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	44.30	
33 41 19 00-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	43.11	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	36.58	12.56
		For >1,000, Deduct	*-1.83*	
		For Class 4, Add	*1.77*	
		For Class 5, Add	*5.59*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	43.83	13.98
		For >1,000, Deduct	*-2.19*	
		For Class 4, Add	*2.27*	
		For Class 5, Add	*7.16*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	49.99	17.42
		For >1,000, Deduct	*-2.50*	
		For Class 4, Add	*2.38*	
		For Class 5, Add	*7.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	64.03	21.98
		For >1,000, Deduct	*-3.20*	
		For Class 4, Add	*3.10*	
		For Class 5, Add	*9.79*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.05	26.69
		For >1,000, Deduct	*-3.75*	
		For Class 4, Add	*3.51*	
		For Class 5, Add	*11.08*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	94.50	33.54
		For >1,000, Deduct	*-4.73*	
		For Class 4, Add	*4.43*	
		For Class 5, Add	*13.98*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	100.46	34.62
		For >1,000, Deduct	*-5.02*	
		For Class 4, Add	*4.79*	
		For Class 5, Add	*15.12*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	123.99	39.35
		For >1,000, Deduct	*-6.20*	
		For Class 4, Add	*6.49*	
		For Class 5, Add	*20.51*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	160.13	43.28
		For >1,000, Deduct	*-8.01*	
		For Class 4, Add	*9.40*	
		For Class 5, Add	*29.67*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	191.53	48.20
		For >1,000, Deduct	*-9.58*	
		For Class 4, Add	*11.65*	
		For Class 5, Add	*36.80*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	237.98	55.08
		For >1,000, Deduct	*-11.90*	
		For Class 4, Add	*15.13*	
		For Class 5, Add	*47.78*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	287.18	63.90
		For >1,000, Deduct	*-14.36*	
		For Class 4, Add	*18.61*	
		For Class 5, Add	*58.77*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	440.58	70.83
		For >1,000, Deduct	*-22.03*	
		For Class 4, Add	*32.28*	
		For Class 5, Add	*101.95*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	513.63	77.13
		For >1,000, Deduct	*-25.68*	
		For Class 4, Add	*38.33*	
		For Class 5, Add	*121.04*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	617.20	86.57
		For >1,000, Deduct	*-30.86*	
		For Class 4, Add	*46.86*	
		For Class 5, Add	*147.98*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	793.91	96.40
		For >1,000, Deduct	*-39.70*	
		For Class 4, Add	*62.34*	
		For Class 5, Add	*196.86*	
33 42 11 00-0019	LF	23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	87.44	23.18
		For >1,000, Deduct	*-4.37*	
		For Class 4, Add	*5.16*	
		For Class 5, Add	*16.30*	
		For Horizontal Elliptical - II (HE- II), Add	*5.43*	
		For Horizontal Elliptical - III (HE- III), Add	*11.95*	
		For Horizontal Elliptical - IV (HE- IV), Add	*26.07*	
33 42 11 00-0020	LF	30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	121.79	35.50
		For >1,000, Deduct	*-6.09*	
		For Class 4, Add	*6.75*	
		For Class 5, Add	*21.32*	
		For Horizontal Elliptical - II (HE- II), Add	*7.11*	
		For Horizontal Elliptical - III (HE- III), Add	*15.64*	
		For Horizontal Elliptical - IV (HE- IV), Add	*34.11*	
33 42 11 00-0021	LF	34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	143.16	44.60
		For >1,000, Deduct	*-7.16*	
		For Class 4, Add	*7.55*	
		For Class 5, Add	*23.84*	
		For Horizontal Elliptical - II (HE- II), Add	*7.95*	
		For Horizontal Elliptical - III (HE- III), Add	*17.48*	
		For Horizontal Elliptical - IV (HE- IV), Add	*38.14*	
33 42 11 00-0022	LF	38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	159.66	46.60
		For >1,000, Deduct	*-7.98*	
		For Class 4, Add	*8.84*	
		For Class 5, Add	*27.93*	
		For Horizontal Elliptical - II (HE- II), Add	*9.31*	
		For Horizontal Elliptical - III (HE- III), Add	*20.48*	
		For Horizontal Elliptical - IV (HE- IV), Add	*44.68*	
33 42 11 00-0023	LF	42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	183.49	49.20
		For >1,000, Deduct	*-9.17*	
		For Class 4, Add	*10.75*	
		For Class 5, Add	*33.96*	
		For Horizontal Elliptical - II (HE- II), Add	*11.32*	
		For Horizontal Elliptical - III (HE- III), Add	*24.90*	
		For Horizontal Elliptical - IV (HE- IV), Add	*54.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0024	LF	45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	207.31	51.80
		For >1,000, Deduct	*-10.37*	
		For Class 4, Add	*12.66*	
		For Class 5, Add	*39.99*	
		For Horizontal Elliptical - II (HE- II), Add	*13.33*	
		For Horizontal Elliptical - III (HE- III), Add	*29.33*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.99*	
33 42 11 00-0025	LF	53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	252.93	57.00
		For >1,000, Deduct	*-12.65*	
		For Class 4, Add	*16.29*	
		For Class 5, Add	*51.45*	
		For Horizontal Elliptical - II (HE- II), Add	*17.15*	
		For Horizontal Elliptical - III (HE- III), Add	*37.73*	
		For Horizontal Elliptical - IV (HE- IV), Add	*82.32*	
33 42 11 00-0026	LF	60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	304.95	64.11
		For >1,000, Deduct	*-15.25*	
		For Class 4, Add	*20.27*	
		For Class 5, Add	*64.01*	
		For Horizontal Elliptical - II (HE- II), Add	*21.34*	
		For Horizontal Elliptical - III (HE- III), Add	*46.94*	
		For Horizontal Elliptical - IV (HE- IV), Add	*102.42*	
33 42 11 00-0027	LF	68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	371.38	73.26
		For >1,000, Deduct	*-18.57*	
		For Class 4, Add	*25.34*	
		For Class 5, Add	*80.01*	
		For Horizontal Elliptical - II (HE- II), Add	*26.67*	
		For Horizontal Elliptical - III (HE- III), Add	*58.68*	
		For Horizontal Elliptical - IV (HE- IV), Add	*128.02*	
33 42 11 00-0028	LF	76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	461.03	85.00
		For >1,000, Deduct	*-23.05*	
		For Class 4, Add	*32.26*	
		For Class 5, Add	*101.88*	
		For Horizontal Elliptical - II (HE- II), Add	*33.96*	
		For Horizontal Elliptical - III (HE- III), Add	*74.71*	
		For Horizontal Elliptical - IV (HE- IV), Add	*163.01*	

33 42 11 00-0029 Concrete Reducing Wye Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0030	EA	12" Concrete Reducing Wye Without Gaskets	436.98	47.86
33 42 11 00-0031	EA	15" Concrete Reducing Wye Without Gaskets	524.11	58.33
33 42 11 00-0032	EA	18" Concrete Reducing Wye Without Gaskets	647.00	64.31
33 42 11 00-0033	EA	21" Concrete Reducing Wye Without Gaskets	743.02	79.26
33 42 11 00-0034	EA	24" Concrete Reducing Wye Without Gaskets	840.23	95.71

33 42 11 00-0035 Concrete Pipe Joint Gaskets *(33 42 11 00-0001)*

33 42 11 00-0036	EA	12" Diameter Concrete Pipe Joint Gasket	4.13
33 42 11 00-0037	EA	15" Diameter Concrete Pipe Joint Gasket	4.89
33 42 11 00-0038	EA	18" Diameter Concrete Pipe Joint Gasket	5.67
33 42 11 00-0039	EA	21" Diameter Concrete Pipe Joint Gasket	6.85
33 42 11 00-0040	EA	24" Diameter Concrete Pipe Joint Gasket	8.02
33 42 11 00-0041	EA	27" Diameter Concrete Pipe Joint Gasket	8.94
33 42 11 00-0042	EA	30" Diameter Concrete Pipe Joint Gasket	9.82
33 42 11 00-0043	EA	36" Diameter Concrete Pipe Joint Gasket	12.00
33 42 11 00-0044	EA	42" Diameter Concrete Pipe Joint Gasket	13.91
33 42 11 00-0045	EA	48" Diameter Concrete Pipe Joint Gasket	16.04
33 42 11 00-0046	EA	54" Diameter Concrete Pipe Joint Gasket	19.67
33 42 11 00-0047	EA	60" Diameter Concrete Pipe Joint Gasket	29.11
33 42 11 00-0048	EA	66" Diameter Concrete Pipe Joint Gasket	12.92
33 42 11 00-0049	EA	72" Diameter Concrete Pipe Joint Gasket	31.38
33 42 11 00-0050	EA	78" Diameter Concrete Pipe Joint Gasket	15.42
33 42 11 00-0051	EA	84" Diameter Concrete Pipe Joint Gasket	18.49

33 42 11 00-0052 Couplings *(33 42 11 00-0001)*

33 42 11 00-0053 Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 42 11 00-0052)*

Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.

33 42 11 00-0054	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	31.52
33 42 11 00-0055	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	29.12
33 42 11 00-0056	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	49.55
33 42 11 00-0057	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	51.47
33 42 11 00-0058	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	47.77
33 42 11 00-0059	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	73.36
33 42 11 00-0060	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	63.31
33 42 11 00-0061	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	92.41
33 42 11 00-0062	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	81.81
33 42 11 00-0063	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	111.75
33 42 11 00-0064	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	93.38
33 42 11 00-0065	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	291.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0066		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0067	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	184.51	138.51
33 42 11 00-0068	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	227.77	171.56
33 42 11 00-0069	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	283.63	217.21
33 42 11 00-0070	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	336.33	259.70
33 42 11 00-0071	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	387.39	300.55
33 42 11 00-0072	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	481.10	384.05
33 42 11 00-0073	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	636.21	528.85
33 42 11 00-0074	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	795.23	667.36
33 42 11 00-0075	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	985.39	837.19
33 42 11 00-0076	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,104.57	943.58
33 42 11 00-0077	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,234.33	1,057.70
33 42 11 00-0078	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,366.31	1,174.96
33 42 11 00-0079	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,419.44	1,219.81
33 42 11 00-0080	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,466.16	1,259.17
33 42 11 00-0081	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,512.85	1,298.51
33 42 11 00-0082	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,560.48	1,337.86
33 42 11 00-0083		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0084	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	156.21	
33 42 11 00-0085	EA	>24" Diameter Pipe, 12' Strap Assembly	218.93	
33 42 11 00-0086		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
33 42 11 00-0087		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0086)*		
33 42 11 00-0088		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0087)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0089	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	98.24	12.56
		For >1,000, Deduct	*-4.91*	
		For 100 PSI, Deduct	*-20.08*	
33 42 11 00-0090	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	104.91	13.98
		For >1,000, Deduct	*-5.25*	
		For 100 PSI, Deduct	*-21.24*	
33 42 11 00-0091	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	114.49	17.42
		For >1,000, Deduct	*-5.72*	
		For 100 PSI, Deduct	*-22.40*	
33 42 11 00-0092	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	125.65	21.98
		For >1,000, Deduct	*-6.28*	
		For 100 PSI, Deduct	*-23.56*	
33 42 11 00-0093	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	137.03	26.69
		For >1,000, Deduct	*-6.85*	
		For 100 PSI, Deduct	*-24.73*	
33 42 11 00-0094	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.79	34.62
		For >1,000, Deduct	*-8.04*	
		For 100 PSI, Deduct	*-27.68*	
33 42 11 00-0095	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	178.21	39.35
		For >1,000, Deduct	*-8.91*	
		For 100 PSI, Deduct	*-30.64*	
33 42 11 00-0096	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	206.62	43.28
		For >1,000, Deduct	*-10.33*	
		For 100 PSI, Deduct	*-36.35*	
33 42 11 00-0097	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	237.07	48.20
		For >1,000, Deduct	*-11.85*	
		For 100 PSI, Deduct	*-42.05*	
33 42 11 00-0098	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	313.01	61.71
		For >1,000, Deduct	*-15.65*	
		For 100 PSI, Deduct	*-56.21*	
33 42 11 00-0099	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	376.99	71.59
		For >1,000, Deduct	*-18.85*	
		For 100 PSI, Deduct	*-68.68*	
33 42 11 00-0100	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	423.48	79.35
		For >1,000, Deduct	*-21.17*	
		For 100 PSI, Deduct	*-77.66*	
33 42 11 00-0101	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	472.10	86.40
		For >1,000, Deduct	*-23.61*	
		For 100 PSI, Deduct	*-87.17*	
33 42 11 00-0102	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	536.14	96.98
		For >1,000, Deduct	*-26.81*	
		For 100 PSI, Deduct	*-99.32*	
33 42 11 00-0103	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	600.18	108.00
		For >1,000, Deduct	*-30.01*	
		For 100 PSI, Deduct	*-111.47*	
33 42 11 00-0104	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	740.73	126.08
		For >1,000, Deduct	*-37.04*	
		For 100 PSI, Deduct	*-140.00*	
33 42 11 00-0105	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	871.35	143.97
		For >1,000, Deduct	*-43.57*	
		For 100 PSI, Deduct	*-166.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0106	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,016.18	156.61
		For >1,000, Deduct	*-50.81*	
		For 100 PSI, Deduct	*-198.11*	
33 42 11 00-0107	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,146.27	166.32
		For >1,000, Deduct	*-57.31*	
		For 100 PSI, Deduct	*-227.17*	
33 42 11 00-0108	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,382.01	176.01
		For >1,000, Deduct	*-69.10*	
		For 100 PSI, Deduct	*-282.64*	
33 42 11 00-0109	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,606.01	184.89
		For >1,000, Deduct	*-80.30*	
		For 100 PSI, Deduct	*-335.47*	
33 42 11 00-0110	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,749.72	193.77
		For >1,000, Deduct	*-87.49*	
		For 100 PSI, Deduct	*-368.23*	
33 42 11 00-0111	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,895.53	202.65
		For >1,000, Deduct	*-94.78*	
		For 100 PSI, Deduct	*-401.51*	
33 42 11 00-0112	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,040.29	211.52
		For >1,000, Deduct	*-102.01*	
		For 100 PSI, Deduct	*-434.53*	
33 42 11 00-0113	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,185.05	220.40
		For >1,000, Deduct	*-109.25*	
		For 100 PSI, Deduct	*-467.55*	

33 42 11 00-0114 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0087)*

33 42 11 00-0115	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	343.30	117.76
33 42 11 00-0116	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	475.94	168.24
33 42 11 00-0117	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	613.46	224.31
33 42 11 00-0118	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	750.97	280.39
33 42 11 00-0119	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	913.15	348.44
33 42 11 00-0120	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,167.68	467.32
33 42 11 00-0121	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,439.65	550.88
33 42 11 00-0122	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,676.86	642.96
33 42 11 00-0123	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,889.55	734.25
33 42 11 00-0124	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,326.56	916.83
33 42 11 00-0125	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,033.78	1,234.28
33 42 11 00-0126	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,383.56	1,366.52
33 42 11 00-0127	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,733.35	1,498.77
33 42 11 00-0128	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,482.22	1,719.18
33 42 11 00-0129	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,226.21	1,939.58
33 42 11 00-0130	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,181.41	2,204.07
33 42 11 00-0131	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,131.74	2,468.56
33 42 11 00-0132	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,530.12	3,148.66
33 42 11 00-0133	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	11,858.13	3,778.39
33 42 11 00-0134	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,430.60	5,037.86
33 42 11 00-0135	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,943.46	6,297.32
33 42 11 00-0136	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	21,331.24	6,792.12
33 42 11 00-0137	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,722.36	7,286.90
33 42 11 00-0138	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,698.98	7,781.69
33 42 11 00-0139	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,552.64	8,276.49

33 42 11 00-0140 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0087)*

33 42 11 00-0141	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	321.75	117.76
33 42 11 00-0142	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	448.05	168.24
33 42 11 00-0143	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	580.49	224.31
33 42 11 00-0144	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	712.93	280.39
33 42 11 00-0145	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	870.04	348.44
33 42 11 00-0146	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,108.51	435.92
33 42 11 00-0147	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,372.03	550.88
33 42 11 00-0148	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,598.67	642.96
33 42 11 00-0149	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,805.44	734.25
33 42 11 00-0150	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,204.37	916.83
33 42 11 00-0151	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,919.94	1,234.28
33 42 11 00-0152	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,261.48	1,366.52
33 42 11 00-0153	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,603.01	1,498.77
33 42 11 00-0154	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,177.98	1,719.18
33 42 11 00-0155	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,748.08	1,939.58
33 42 11 00-0156	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,578.01	2,204.07
33 42 11 00-0157	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,403.07	2,468.56
33 42 11 00-0158	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,330.82	3,085.70
33 42 11 00-0159	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,440.04	3,778.39
33 42 11 00-0160	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	13,667.49	5,037.86
33 42 11 00-0161	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	16,835.33	6,297.32
33 42 11 00-0162	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,758.94	6,792.12
33 42 11 00-0163	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,685.91	8,276.49
33 42 11 00-0164	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,619.18	7,781.69
33 42 11 00-0165	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,795.68	8,276.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0166		400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0086)*		
33 42 11 00-0167		400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0166)*		
		Note: AWWA C301		
33 42 11 00-0168	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	188.59	34.62
		For >1,000, Deduct	*-9.43*	
33 42 11 00-0169	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	229.53	39.35
		For >1,000, Deduct	*-11.48*	
33 42 11 00-0170	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	267.55	43.28
		For >1,000, Deduct	*-13.38*	
33 42 11 00-0171		400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0166)*		
		Note: AWWA C301		
33 42 11 00-0172	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	359.46	48.17
		For >1,000, Deduct	*-17.97*	
33 42 11 00-0173	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	430.49	61.71
		For >1,000, Deduct	*-21.52*	
33 42 11 00-0174	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	496.31	71.59
		For >1,000, Deduct	*-24.82*	
33 42 11 00-0175	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	558.59	79.35
		For >1,000, Deduct	*-27.93*	
33 42 11 00-0176	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	675.73	86.40
		For >1,000, Deduct	*-33.79*	
33 42 11 00-0177		Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0166)*		
		Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0178	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	1,184.44	
33 42 11 00-0179	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	1,272.18	
33 42 11 00-0180	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	1,316.05	
33 42 11 00-0181	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	1,491.52	
33 42 11 00-0182	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	1,535.39	
33 42 11 00-0183	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	1,623.12	
33 42 11 00-0184	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	1,666.99	
33 42 11 00-0185	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	1,710.86	
33 42 11 00-0186	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,193.41	
33 42 11 00-0187	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,193.41	
33 42 11 00-0188	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,500.49	
33 42 11 00-0189	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,500.49	
33 42 11 00-0190	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,675.96	
33 42 11 00-0191	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,675.96	
33 42 11 00-0192	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,895.30	
33 42 11 00-0193	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,895.30	
33 42 11 00-0194		Quick Test Joints *(33 42 11 00-0166)*		
33 42 11 00-0195	EA	30" Quick Test Joint	334.97	
33 42 11 00-0196	EA	36" Quick Test Joint	338.92	
33 42 11 00-0197	EA	42" Quick Test Joint	342.85	
33 42 11 00-0198	EA	48" Quick Test Joint	350.53	
33 42 11 00-0199	EA	54" Quick Test Joint	368.92	
33 42 11 00-0200	EA	60" Quick Test Joint	383.97	
33 42 11 00-0201	EA	66" Quick Test Joint	405.27	
33 42 11 00-0202	EA	72" Quick Test Joint	426.56	
33 42 11 00-0203		Harnessed Joints *(33 42 11 00-0166)*		
33 42 11 00-0204		Harness Clamp Restrained Joints *(33 42 11 00-0203)*		
33 42 11 00-0205	EA	30" Harness Clamp Restrained Joint	2,854.59	
33 42 11 00-0206	EA	36" Harness Clamp Restrained Joint	2,965.91	
33 42 11 00-0207	EA	42" Harness Clamp Restrained Joint	3,077.21	
33 42 11 00-0208	EA	48" Harness Clamp Restrained Joint	3,188.52	
33 42 11 00-0209	EA	54" Harness Clamp Restrained Joint	3,309.29	
33 42 11 00-0210	EA	60" Harness Clamp Restrained Joint	3,479.15	
33 42 11 00-0211	EA	66" Harness Clamp Restrained Joint	3,595.35	
33 42 11 00-0212	EA	72" Harness Clamp Restrained Joint	3,851.11	
33 42 11 00-0213		Snap Ring Restrained Joints *(33 42 11 00-0203)*		
33 42 11 00-0214	EA	30" Snap Ring Restrained Joint	492.43	
33 42 11 00-0215	EA	36" Snap Ring Restrained Joint	560.80	
33 42 11 00-0216	EA	42" Snap Ring Restrained Joint	747.27	
33 42 11 00-0217	EA	48" Snap Ring Restrained Joint	847.84	
33 42 11 00-0218	EA	54" Snap Ring Restrained Joint	957.87	
33 42 11 00-0219	EA	60" Snap Ring Restrained Joint	1,084.79	
33 42 11 00-0220	EA	66" Snap Ring Restrained Joint	1,200.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0221	EA	72" Snap Ring Restrained Joint	1,338.64	
33 42 11 00-0222		**Pipe Repairs** *(33 42 11 00-0166)* Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0223		**Lined Cylinder Pipe Repair** *(33 42 11 00-0222)*		
33 42 11 00-0224	EA	30" Lined Cylinder Pipe Repair	3,813.01	
33 42 11 00-0225	EA	36" Lined Cylinder Pipe Repair	4,711.06	
33 42 11 00-0226	EA	42" Lined Cylinder Pipe Repair	7,260.66	
33 42 11 00-0227		**Embedded Cylinder Pipe Repair** *(33 42 11 00-0222)* Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0228	EA	48" Embedded Cylinder Pipe Repair	10,788.95	
33 42 11 00-0229	EA	54" Embedded Cylinder Pipe Repair	12,525.84	
33 42 11 00-0230	EA	60" Embedded Cylinder Pipe Repair	14,275.91	
33 42 11 00-0231	EA	66" Embedded Cylinder Pipe Repair	16,128.56	
33 42 11 00-0232	EA	72" Embedded Cylinder Pipe Repair	19,385.59	
33 42 11 00-0233		**High Density Polyethylene (HDPE) Piping** *(33 42 11)*		
33 42 11 00-0234		**Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping** *(33 42 11 00-0233)* Note: Excludes couplings and gaskets.		
33 42 11 00-0235		**Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping** *(33 42 11 00-0234)*		
33 42 11 00-0236	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.10	5.12
		For <100, Add	*2.05*	
		For >1,000, Deduct	*-0.56*	
33 42 11 00-0237	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.09	5.95
		For <100, Add	*2.38*	
		For >1,000, Deduct	*-0.70*	
33 42 11 00-0238	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.10	6.92
		For <100, Add	*2.77*	
		For >1,000, Deduct	*-0.86*	
33 42 11 00-0239	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.03	7.17
		For <100, Add	*2.87*	
		For >1,000, Deduct	*-0.95*	
33 42 11 00-0240	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.94	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-1.00*	
33 42 11 00-0241	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.21	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.11*	
33 42 11 00-0242	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.13	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.31*	
33 42 11 00-0243	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.91	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.75*	
33 42 11 00-0244	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	49.13	12.55
		For <100, Add	*5.02*	
		For >1,000, Deduct	*-2.46*	
33 42 11 00-0245	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	64.21	15.86
		For <100, Add	*6.35*	
		For >1,000, Deduct	*-3.21*	
33 42 11 00-0246		**Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping** *(33 42 11 00-0234)*		
33 42 11 00-0247	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.85	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-0.99*	
33 42 11 00-0248	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.57	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.13*	
33 42 11 00-0249	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.67	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.33*	
33 42 11 00-0250	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.76	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.79*	
33 42 11 00-0251	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.47	12.55
		For <100, Add	*5.02*	
		For >1,000, Deduct	*-2.57*	
33 42 11 00-0252	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.95	15.86
		For <100, Add	*6.35*	
		For >1,000, Deduct	*-3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0253	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	84.01	17.31
		For <100, Add	*6.92*	
		For >1,000, Deduct	*-4.20*	
33 42 11 00-0254	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	91.99	19.53
		For <100, Add	*7.81*	
		For >1,000, Deduct	*-4.60*	

33 42 11 00-0255 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0233)*

Note: Excludes couplings and gaskets.

33 42 11 00-0256 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0255)*

33 42 11 00-0257	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.77	5.12
		For <100, Add	*2.05*	
		For >1,000, Deduct	*-0.54*	
33 42 11 00-0258	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.08	5.95
		For <100, Add	*2.38*	
		For >1,000, Deduct	*-0.65*	
33 42 11 00-0259	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.91	6.92
		For <100, Add	*2.77*	
		For >1,000, Deduct	*-0.80*	
33 42 11 00-0260	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.16	7.17
		For <100, Add	*2.87*	
		For >1,000, Deduct	*-0.91*	
33 42 11 00-0261	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.61	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-0.98*	
33 42 11 00-0262	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.31	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.12*	
33 42 11 00-0263	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.80	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.34*	
33 42 11 00-0264	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.64	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.78*	

33 42 11 00-0265 Perforated, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0233)*

Note: Excludes couplings and gaskets.

33 42 11 00-0266 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0265)*

33 42 11 00-0267	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.55	5.12
		For <100, Add	*2.05*	
		For >1,000, Deduct	*-0.58*	
33 42 11 00-0268	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.10	5.95
		For <100, Add	*2.38*	
		For >1,000, Deduct	*-0.71*	
33 42 11 00-0269	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.10	6.92
		For <100, Add	*2.77*	
		For >1,000, Deduct	*-0.86*	
33 42 11 00-0270	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.04	7.17
		For <100, Add	*2.87*	
		For >1,000, Deduct	*-0.95*	
33 42 11 00-0271	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.94	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-1.00*	
33 42 11 00-0272	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.22	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.11*	
33 42 11 00-0273	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.14	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.31*	
33 42 11 00-0274	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.91	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.75*	
33 42 11 00-0275	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	49.28	12.55
		For <100, Add	*5.02*	
		For >1,000, Deduct	*-2.46*	
33 42 11 00-0276	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	64.21	15.86
		For <100, Add	*6.35*	
		For >1,000, Deduct	*-3.21*	

33 42 11 00-0277 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0265)*

33 42 11 00-0278	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.87	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0279	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.58	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.13*	
33 42 11 00-0280	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.68	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.33*	
33 42 11 00-0281	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.76	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.79*	
33 42 11 00-0282	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.47	12.55
		For <100, Add	*5.02*	
		For >1,000, Deduct	*-2.57*	
33 42 11 00-0283	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.95	15.86
		For <100, Add	*6.35*	
		For >1,000, Deduct	*-3.30*	
33 42 11 00-0284	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	84.01	17.31
		For <100, Add	*6.92*	
		For >1,000, Deduct	*-4.20*	
33 42 11 00-0285	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	91.99	19.53
		For <100, Add	*7.81*	
		For >1,000, Deduct	*-4.60*	

33 42 11 00-0286 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0265)*

33 42 11 00-0287	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.05	5.12
		For <100, Add	*2.05*	
		For >1,000, Deduct	*-0.55*	
33 42 11 00-0288	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.08	5.95
		For <100, Add	*2.38*	
		For >1,000, Deduct	*-0.65*	
33 42 11 00-0289	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.85	6.92
		For <100, Add	*2.77*	
		For >1,000, Deduct	*-0.79*	
33 42 11 00-0290	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.16	7.17
		For <100, Add	*2.87*	
		For >1,000, Deduct	*-0.91*	
33 42 11 00-0291	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.61	7.42
		For <100, Add	*2.97*	
		For >1,000, Deduct	*-0.98*	
33 42 11 00-0292	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.31	7.68
		For <100, Add	*3.07*	
		For >1,000, Deduct	*-1.12*	
33 42 11 00-0293	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.80	7.96
		For <100, Add	*3.18*	
		For >1,000, Deduct	*-1.34*	
33 42 11 00-0294	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.64	9.33
		For <100, Add	*3.73*	
		For >1,000, Deduct	*-1.78*	

33 42 11 00-0295 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0233)*

Note: Excludes couplings and gaskets.

33 42 11 00-0296 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0295)*

33 42 11 00-0297	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	31.91	18.47
33 42 11 00-0298	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	38.09	21.55
33 42 11 00-0299	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	51.04	26.17
33 42 11 00-0300	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	68.66	32.33
33 42 11 00-0301	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	93.17	38.49
33 42 11 00-0302	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	126.60	50.29
33 42 11 00-0303	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	176.52	67.72
33 42 11 00-0304	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	214.30	77.31
33 42 11 00-0305	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	319.70	89.28
33 42 11 00-0306	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	396.62	103.13
33 42 11 00-0307	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	601.46	123.14
33 42 11 00-0308	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	744.83	146.23

33 42 11 00-0309 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0295)*

33 42 11 00-0310	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	36.34	18.47
33 42 11 00-0311	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	42.96	21.55
33 42 11 00-0312	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	54.11	26.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0313	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	72.04	32.33
33 42 11 00-0314	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	104.07	38.49
33 42 11 00-0315	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	123.26	50.29
33 42 11 00-0316	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	170.01	67.72
33 42 11 00-0317		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0295)*		
33 42 11 00-0318	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	20.72	12.31
33 42 11 00-0319	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	24.56	14.37
33 42 11 00-0320	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	31.57	17.44
33 42 11 00-0321	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	39.24	21.55
33 42 11 00-0322	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	50.12	25.65
33 42 11 00-0323	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.85	32.84
33 42 11 00-0324	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	94.55	45.15
33 42 11 00-0325	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	137.73	51.30
33 42 11 00-0326	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	177.08	59.51
33 42 11 00-0327	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	206.32	68.76
33 42 11 00-0328	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	256.67	82.09
33 42 11 00-0329	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	330.61	97.49
33 42 11 00-0330		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0295)*		
33 42 11 00-0331	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	21.20	12.31
33 42 11 00-0332	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	25.57	14.37
33 42 11 00-0333	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	32.09	17.44
33 42 11 00-0334	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	43.44	21.55
33 42 11 00-0335	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	50.12	25.65
33 42 11 00-0336	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.76	32.84
33 42 11 00-0337	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	101.32	45.15
33 42 11 00-0338	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	142.97	51.30
33 42 11 00-0339	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	177.33	59.51
33 42 11 00-0340	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	217.60	68.76
33 42 11 00-0341	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	300.19	82.09
33 42 11 00-0342	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	369.62	97.49
33 42 11 00-0343		Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0233)*		
		Note: Excludes couplings and gaskets.		
33 42 11 00-0344		Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0343)*		
33 42 11 00-0345	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	28.92	18.47
33 42 11 00-0346	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	33.89	21.55
33 42 11 00-0347	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	44.31	26.17
33 42 11 00-0348	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	55.34	32.33
33 42 11 00-0349	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	70.62	38.49
33 42 11 00-0350	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	112.90	50.29
33 42 11 00-0351	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	144.24	67.72
33 42 11 00-0352	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	210.73	76.97
33 42 11 00-0353		Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0343)*		
33 42 11 00-0354	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	29.11	18.47
33 42 11 00-0355	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	34.49	21.55
33 42 11 00-0356	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	50.59	26.17
33 42 11 00-0357		45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0343)*		
33 42 11 00-0358	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	19.34	12.31
33 42 11 00-0359		90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0343)*		
33 42 11 00-0360	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	19.54	12.31
33 42 11 00-0361	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	23.37	14.37
33 42 11 00-0362	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	29.99	17.44
33 42 11 00-0363	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	37.77	21.55
33 42 11 00-0364		Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0233)*		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0365		Couplings, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0364)*		
33 42 11 00-0366	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.29	
33 42 11 00-0367	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.52	
33 42 11 00-0368	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0369	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.98	
33 42 11 00-0370	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.06	
33 42 11 00-0371	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.51	
33 42 11 00-0372	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.23	
33 42 11 00-0373	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.55	
33 42 11 00-0374	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.44	
33 42 11 00-0375	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.12	
33 42 11 00-0376	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.20	
33 42 11 00-0377	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	15.15	
33 42 11 00-0378		Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0364)*		
33 42 11 00-0379	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	15.34	
33 42 11 00-0380	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	16.06	
33 42 11 00-0381	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	16.82	
33 42 11 00-0382	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	17.61	
33 42 11 00-0383	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	20.88	
33 42 11 00-0384	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	21.56	
33 42 11 00-0385	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	22.49	
33 42 11 00-0386	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	25.61	
33 42 11 00-0387	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	41.06	
33 42 11 00-0388	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	44.97	
33 42 11 00-0389	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	49.00	
33 42 11 00-0390	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	59.51	
33 42 11 00-0391		End Caps, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0364)*		
33 42 11 00-0392	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	21.23	
33 42 11 00-0393	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	24.49	
33 42 11 00-0394	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	37.15	
33 42 11 00-0395	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	60.21	
33 42 11 00-0396	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	69.58	
33 42 11 00-0397	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	92.62	
33 42 11 00-0398	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	96.60	
33 42 11 00-0399		Vitrified Clay Piping *(33 42 11)*		
33 42 11 00-0400		Extra Strength Vitrified Clay Piping *(33 42 11 00-0399)*		
33 42 11 00-0401		Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0400)* Note: ASTM C700.		
33 42 11 00-0402	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	15.00	
		For 3' Lengths, Add	*1.08*	
		For 2' Lengths, Add	*1.44*	
		For Standard Strength, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.75*	
33 42 11 00-0403	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	25.03	
		For 3' Lengths, Add	*1.68*	
		For 2' Lengths, Add	*2.24*	
		For Standard Strength, Deduct	*-0.56*	
		For >1,000, Deduct	*-1.25*	
33 42 11 00-0404	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	29.60	
		For 3' Lengths, Add	*2.40*	
		For 2' Lengths, Add	*3.20*	
		For Standard Strength, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.48*	
33 42 11 00-0405	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	34.90	
		For 3' Lengths, Add	*3.68*	
		For 2' Lengths, Add	*4.90*	
		For Standard Strength, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.75*	
33 42 11 00-0406	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	41.99	
		For 3' Lengths, Add	*5.19*	
		For 2' Lengths, Add	*6.92*	
		For Standard Strength, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.10*	
33 42 11 00-0407	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	59.92	
		For 3' Lengths, Add	*9.73*	
		For 2' Lengths, Add	*12.98*	
		For Standard Strength, Deduct	*-3.24*	
		For >1,000, Deduct	*-3.00*	
33 42 11 00-0408	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	80.77	
		For 3' Lengths, Add	*13.95*	
		For 2' Lengths, Add	*18.60*	
		For Standard Strength, Deduct	*-4.65*	
		For >1,000, Deduct	*-4.04*	
33 42 11 00-0409	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	117.71	
		For 3' Lengths, Add	*22.35*	
		For 2' Lengths, Add	*29.80*	
		For Standard Strength, Deduct	*-7.45*	
		For >1,000, Deduct	*-5.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0410	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	149.80	
		For 3' Lengths, Add	*29.20*	
		For 2' Lengths, Add	*38.93*	
		For Standard Strength, Deduct	*-9.73*	
		For >1,000, Deduct	*-7.49*	
33 42 11 00-0411	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	185.08	
		For 3' Lengths, Add	*36.41*	
		For 2' Lengths, Add	*48.54*	
		For Standard Strength, Deduct	*-12.14*	
		For >1,000, Deduct	*-9.25*	
33 42 11 00-0412	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	223.98	
		For 3' Lengths, Add	*43.98*	
		For 2' Lengths, Add	*58.64*	
		For Standard Strength, Deduct	*-14.66*	
		For >1,000, Deduct	*-11.20*	

33 42 11 00-0413 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0400)*

Note: ASTM C425.

33 42 11 00-0414	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	21.52	
		For 3' Lengths, Add	*1.28*	
		For 2' Lengths, Add	*1.70*	
		For Standard Strength, Deduct	*-0.43*	
		For >1,000, Deduct	*-1.08*	
33 42 11 00-0415	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	26.37	
		For 3' Lengths, Add	*2.08*	
		For 2' Lengths, Add	*2.78*	
		For Standard Strength, Deduct	*-0.69*	
		For >1,000, Deduct	*-1.32*	
33 42 11 00-0416	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	31.40	
		For 3' Lengths, Add	*2.94*	
		For 2' Lengths, Add	*3.92*	
		For Standard Strength, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.57*	
33 42 11 00-0417	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	38.74	
		For 3' Lengths, Add	*4.83*	
		For 2' Lengths, Add	*6.44*	
		For Standard Strength, Deduct	*-1.61*	
		For >1,000, Deduct	*-1.94*	
33 42 11 00-0418	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	45.84	
		For 3' Lengths, Add	*6.35*	
		For 2' Lengths, Add	*8.46*	
		For Standard Strength, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.29*	
33 42 11 00-0419	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	66.05	
		For 3' Lengths, Add	*11.57*	
		For 2' Lengths, Add	*15.43*	
		For Standard Strength, Deduct	*-3.86*	
		For >1,000, Deduct	*-3.30*	
33 42 11 00-0420	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	90.74	
		For 3' Lengths, Add	*16.94*	
		For 2' Lengths, Add	*22.59*	
		For Standard Strength, Deduct	*-5.65*	
		For >1,000, Deduct	*-4.54*	
33 42 11 00-0421	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	129.13	
		For 3' Lengths, Add	*25.77*	
		For 2' Lengths, Add	*34.36*	
		For Standard Strength, Deduct	*-8.59*	
		For >1,000, Deduct	*-6.46*	
33 42 11 00-0422	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	167.83	
		For 3' Lengths, Add	*34.61*	
		For 2' Lengths, Add	*46.14*	
		For Standard Strength, Deduct	*-11.54*	
		For >1,000, Deduct	*-8.39*	
33 42 11 00-0423	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	264.38	
		For 3' Lengths, Add	*60.20*	
		For 2' Lengths, Add	*80.26*	
		For Standard Strength, Deduct	*-20.07*	
		For >1,000, Deduct	*-13.22*	
33 42 11 00-0424	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	372.96	
		For 3' Lengths, Add	*88.67*	
		For 2' Lengths, Add	*118.23*	
		For Standard Strength, Deduct	*-29.56*	
		For >1,000, Deduct	*-18.65*	

33 42 11 00-0425 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0399)*

33 42 11 00-0426 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0425)*

33 42 11 00-0427 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*

33 42 11 00-0428	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	59.93
33 42 11 00-0429	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	79.87
33 42 11 00-0430	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	111.89
33 42 11 00-0431	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	151.13
33 42 11 00-0432	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	197.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0433	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	455.23	
33 42 11 00-0434	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	639.76	
33 42 11 00-0435	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	992.86	
33 42 11 00-0436	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,147.25	
33 42 11 00-0437	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,334.56	
33 42 11 00-0438	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,988.92	
33 42 11 00-0439		Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*		
33 42 11 00-0440	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	68.25	
33 42 11 00-0441	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	95.16	
33 42 11 00-0442	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	126.97	
33 42 11 00-0443	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	167.38	
33 42 11 00-0444	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	210.51	
33 42 11 00-0445	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	511.80	
33 42 11 00-0446	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	741.00	
33 42 11 00-0447	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	766.79	
33 42 11 00-0448	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,467.00	
33 42 11 00-0449	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,638.15	
33 42 11 00-0450	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,417.48	
33 42 11 00-0451		1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0425)*		
33 42 11 00-0452		Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0451)*		
33 42 11 00-0453	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	71.34	
33 42 11 00-0454	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	93.61	
33 42 11 00-0455	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	127.94	
33 42 11 00-0456	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	168.66	
33 42 11 00-0457	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	217.22	
33 42 11 00-0458	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	477.22	
33 42 11 00-0459	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	667.17	
33 42 11 00-0460	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,027.44	
33 42 11 00-0461	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,189.24	
33 42 11 00-0462	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,386.92	
33 42 11 00-0463	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,047.12	
33 42 11 00-0464		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0451)*		
33 42 11 00-0465	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	81.93	
33 42 11 00-0466	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	111.64	
33 42 11 00-0467	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	146.25	
33 42 11 00-0468	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	188.43	
33 42 11 00-0469	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	234.23	
33 42 11 00-0470	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	538.18	
33 42 11 00-0471	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	773.90	
33 42 11 00-0472	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,481.82	
33 42 11 00-0473	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,517.38	
33 42 11 00-0474	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,700.98	
33 42 11 00-0475	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,487.33	
33 42 11 00-0476		Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0425)*		
33 42 11 00-0477		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0476)*		
33 42 11 00-0478	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	79.87	
33 42 11 00-0479	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	103.03	
33 42 11 00-0480	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	137.19	
33 42 11 00-0481	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	177.72	
33 42 11 00-0482	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	222.01	
33 42 11 00-0483	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	486.67	
33 42 11 00-0484	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	677.35	
33 42 11 00-0485	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	973.09	
33 42 11 00-0486	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,347.36	
33 42 11 00-0487	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,434.77	
33 42 11 00-0488	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,044.57	
33 42 11 00-0489		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0476)*		
33 42 11 00-0490	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	97.31	
33 42 11 00-0491	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	130.98	
33 42 11 00-0492	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	169.84	
33 42 11 00-0493	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	215.99	
33 42 11 00-0494	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	266.65	
33 42 11 00-0495	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	591.60	
33 42 11 00-0496	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	846.95	
33 42 11 00-0497	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,249.25	
33 42 11 00-0498	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,650.01	
33 42 11 00-0499	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,913.67	
33 42 11 00-0500	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	2,695.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0501		Vitrified Clay Couplings *(33 42 11 00-0399)*		
33 42 11 00-0502		Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-0501)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0503	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	29.41	
33 42 11 00-0504	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	29.12	
33 42 11 00-0505	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	40.40	
33 42 11 00-0506	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	38.05	
33 42 11 00-0507	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	49.55	
33 42 11 00-0508	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	51.60	
33 42 11 00-0509	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.06	
33 42 11 00-0510	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	68.49	
33 42 11 00-0511	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	63.31	
33 42 11 00-0512	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	89.81	
33 42 11 00-0513	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	81.81	
33 42 11 00-0514	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	111.75	
33 42 11 00-0515	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	93.38	
33 42 11 00-0516	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	189.38	
33 42 11 00-0517	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	145.60	
33 42 11 00-0518		Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-0501)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0519	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	42.97	
33 42 11 00-0520	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	56.45	
33 42 11 00-0521	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	59.35	
33 42 11 00-0522	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	62.23	
33 42 11 00-0523	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	75.83	
33 42 11 00-0524	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	87.38	
33 42 11 00-0525		Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-0501)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0526	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	43.94	
33 42 11 00-0527	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	57.42	
33 42 11 00-0528	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	53.08	
33 42 11 00-0529	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	68.06	
33 42 11 00-0530	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	96.24	
33 42 11 00-0531	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	108.34	
33 42 11 00-0532		Corrugated Metal Piping *(33 42 11)*		
33 42 11 00-0533		Galvanized Corrugated Steel Piping *(33 42 11 00-0532)*		
33 42 11 00-0534		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-0535		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0536	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	25.26	7.85
		For Bituminous Coated Pipe, Add	*2.17*	
		For Bituminous Coated And 25% Paved, Add	*4.43*	
		For Smooth-Flo, Add	*7.91*	
33 42 11 00-0537	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	28.15	8.22
		For Bituminous Coated Pipe, Add	*2.72*	
		For Bituminous Coated And 25% Paved, Add	*5.57*	
		For Smooth-Flo, Add	*9.95*	
33 42 11 00-0538	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	31.15	8.97
		For Bituminous Coated Pipe, Add	*3.30*	
		For Bituminous Coated And 25% Paved, Add	*6.75*	
		For Smooth-Flo, Add	*12.06*	
33 42 11 00-0539	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	35.21	9.72
		For Bituminous Coated Pipe, Add	*3.95*	
		For Bituminous Coated And 25% Paved, Add	*8.08*	
		For Smooth-Flo, Add	*14.43*	
33 42 11 00-0540	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.87	10.47
		For Bituminous Coated Pipe, Add	*4.44*	
		For Bituminous Coated And 25% Paved, Add	*9.09*	
		For Smooth-Flo, Add	*16.23*	
33 42 11 00-0541	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	51.44	13.46
		For Bituminous Coated Pipe, Add	*5.77*	
		For Bituminous Coated And 25% Paved, Add	*11.80*	
		For Smooth-Flo, Add	*21.07*	
33 42 11 00-0542	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	66.78	17.31
		For Bituminous Coated Pipe, Add	*7.27*	
		For Bituminous Coated And 25% Paved, Add	*14.87*	
		For Smooth-Flo, Add	*26.56*	
33 42 11 00-0543	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	75.63	20.46
		For Bituminous Coated Pipe, Add	*8.61*	
		For Bituminous Coated And 25% Paved, Add	*17.60*	
		For Smooth-Flo, Add	*31.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0544	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	85.03	23.61
		For Bituminous Coated Pipe, Add	*9.64*	
		For Bituminous Coated And 25% Paved, Add	*19.72*	
		For Smooth-Flo, Add	*35.21*	
33 42 11 00-0545		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0546	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	27.19	7.85
		For Bituminous Coated Pipe, Add	*2.20*	
		For Bituminous Coated And 25% Paved, Add	*5.09*	
		For Smooth-Flo, Add	*10.29*	
33 42 11 00-0547	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	30.53	8.22
		For Bituminous Coated Pipe, Add	*2.76*	
		For Bituminous Coated And 25% Paved, Add	*6.38*	
		For Smooth-Flo, Add	*12.90*	
33 42 11 00-0548	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	34.03	8.97
		For Bituminous Coated Pipe, Add	*3.34*	
		For Bituminous Coated And 25% Paved, Add	*7.73*	
		For Smooth-Flo, Add	*15.63*	
33 42 11 00-0549	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.53	9.72
		For Bituminous Coated Pipe, Add	*3.97*	
		For Bituminous Coated And 25% Paved, Add	*9.19*	
		For Smooth-Flo, Add	*18.58*	
33 42 11 00-0550	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.74	10.47
		For Bituminous Coated Pipe, Add	*4.49*	
		For Bituminous Coated And 25% Paved, Add	*10.40*	
		For Smooth-Flo, Add	*21.03*	
33 42 11 00-0551	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	56.16	13.46
		For Bituminous Coated Pipe, Add	*5.77*	
		For Bituminous Coated And 25% Paved, Add	*13.36*	
		For Smooth-Flo, Add	*27.01*	
33 42 11 00-0552	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.51	17.31
		For Bituminous Coated Pipe, Add	*7.23*	
		For Bituminous Coated And 25% Paved, Add	*16.75*	
		For Smooth-Flo, Add	*33.85*	
33 42 11 00-0553	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	82.19	20.46
		For Bituminous Coated Pipe, Add	*8.51*	
		For Bituminous Coated And 25% Paved, Add	*19.71*	
		For Smooth-Flo, Add	*39.85*	
33 42 11 00-0554	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	92.54	23.61
		For Bituminous Coated Pipe, Add	*9.56*	
		For Bituminous Coated And 25% Paved, Add	*22.16*	
		For Smooth-Flo, Add	*44.78*	
33 42 11 00-0555	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	110.07	26.76
		For Bituminous Coated Pipe, Add	*11.76*	
		For Bituminous Coated And 25% Paved, Add	*27.25*	
		For Smooth-Flo, Add	*55.08*	
33 42 11 00-0556		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0557	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	39.99	8.97
		For Bituminous Coated Pipe, Add	*3.82*	
		For Bituminous Coated And 25% Paved, Add	*6.90*	
		For Smooth-Flo, Add	*13.26*	
33 42 11 00-0558	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	45.46	9.72
		For Bituminous Coated Pipe, Add	*4.52*	
		For Bituminous Coated And 25% Paved, Add	*8.16*	
		For Smooth-Flo, Add	*15.68*	
33 42 11 00-0559	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.63	9.72
		For Bituminous Coated Pipe, Add	*5.12*	
		For Bituminous Coated And 25% Paved, Add	*9.25*	
		For Smooth-Flo, Add	*17.77*	
33 42 11 00-0560	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	65.91	13.46
		For Bituminous Coated Pipe, Add	*6.51*	
		For Bituminous Coated And 25% Paved, Add	*11.76*	
		For Smooth-Flo, Add	*22.60*	
33 42 11 00-0561	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	84.09	17.31
		For Bituminous Coated Pipe, Add	*8.05*	
		For Bituminous Coated And 25% Paved, Add	*14.54*	
		For Smooth-Flo, Add	*27.94*	
33 42 11 00-0562	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.57	20.46
		For Bituminous Coated Pipe, Add	*9.44*	
		For Bituminous Coated And 25% Paved, Add	*17.04*	
		For Smooth-Flo, Add	*32.75*	
33 42 11 00-0563	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	107.87	23.61
		For Bituminous Coated Pipe, Add	*10.65*	
		For Bituminous Coated And 25% Paved, Add	*19.24*	
		For Smooth-Flo, Add	*36.98*	
33 42 11 00-0564	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	126.99	26.76
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*23.07*	
		For Smooth-Flo, Add	*44.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0565	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	138.79	28.33
		For Bituminous Coated Pipe, Add	*13.99*	
		For Bituminous Coated And 25% Paved, Add	*25.26*	
		For Smooth-Flo, Add	*48.55*	
33 42 11 00-0566	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	167.99	34.62
		For Bituminous Coated Pipe, Add	*17.03*	
		For Bituminous Coated And 25% Paved, Add	*30.76*	
		For Smooth-Flo, Add	*59.11*	
33 42 11 00-0567		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0568	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	94.92	17.31
		For Bituminous Coated Pipe, Add	*10.24*	
		For Bituminous Coated And 25% Paved, Add	*17.11*	
		For Smooth-Flo, Add	*24.41*	
33 42 11 00-0569	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	108.24	20.46
		For Bituminous Coated Pipe, Add	*12.00*	
		For Bituminous Coated And 25% Paved, Add	*20.04*	
		For Smooth-Flo, Add	*28.60*	
33 42 11 00-0570	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	122.25	23.61
		For Bituminous Coated Pipe, Add	*13.56*	
		For Bituminous Coated And 25% Paved, Add	*22.65*	
		For Smooth-Flo, Add	*32.32*	
33 42 11 00-0571	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	143.11	26.76
		For Bituminous Coated Pipe, Add	*16.06*	
		For Bituminous Coated And 25% Paved, Add	*26.83*	
		For Smooth-Flo, Add	*38.28*	
33 42 11 00-0572	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	156.72	28.33
		For Bituminous Coated Pipe, Add	*17.64*	
		For Bituminous Coated And 25% Paved, Add	*29.46*	
		For Smooth-Flo, Add	*42.04*	
33 42 11 00-0573	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	187.70	34.62
		For Bituminous Coated Pipe, Add	*21.10*	
		For Bituminous Coated And 25% Paved, Add	*35.25*	
		For Smooth-Flo, Add	*50.29*	
33 42 11 00-0574	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	228.89	50.36
		For Bituminous Coated Pipe, Add	*22.66*	
		For Bituminous Coated And 25% Paved, Add	*37.85*	
		For Smooth-Flo, Add	*54.00*	
33 42 11 00-0575		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-0576		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0575)*		
33 42 11 00-0577	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	76.72	17.31
		For Bituminous Coated Pipe, Add	*8.00*	
		For Bituminous Coated And 25% Paved, Add	*18.16*	
		For Smooth-Flo, Add	*36.15*	
33 42 11 00-0578	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	87.02	20.46
		For Bituminous Coated Pipe, Add	*9.39*	
		For Bituminous Coated And 25% Paved, Add	*21.32*	
		For Smooth-Flo, Add	*42.44*	
33 42 11 00-0579	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	97.86	23.61
		For Bituminous Coated Pipe, Add	*10.53*	
		For Bituminous Coated And 25% Paved, Add	*23.91*	
		For Smooth-Flo, Add	*47.60*	
33 42 11 00-0580	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	116.18	26.76
		For Bituminous Coated Pipe, Add	*12.87*	
		For Bituminous Coated And 25% Paved, Add	*29.21*	
		For Smooth-Flo, Add	*58.15*	
33 42 11 00-0581	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	126.58	28.33
		For Bituminous Coated Pipe, Add	*14.02*	
		For Bituminous Coated And 25% Paved, Add	*31.82*	
		For Smooth-Flo, Add	*63.35*	
33 42 11 00-0582	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	157.83	34.62
		For Bituminous Coated Pipe, Add	*18.00*	
		For Bituminous Coated And 25% Paved, Add	*40.87*	
		For Smooth-Flo, Add	*81.38*	
33 42 11 00-0583	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	196.11	50.36
		For Bituminous Coated Pipe, Add	*19.19*	
		For Bituminous Coated And 25% Paved, Add	*43.56*	
		For Smooth-Flo, Add	*86.74*	
33 42 11 00-0584	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	212.09	55.08
		For Bituminous Coated Pipe, Add	*20.38*	
		For Bituminous Coated And 25% Paved, Add	*46.27*	
		For Smooth-Flo, Add	*92.13*	
33 42 11 00-0585	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	225.92	59.02
		For Bituminous Coated Pipe, Add	*21.57*	
		For Bituminous Coated And 25% Paved, Add	*48.97*	
		For Smooth-Flo, Add	*97.51*	
33 42 11 00-0586	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	239.77	62.95
		For Bituminous Coated Pipe, Add	*22.77*	
		For Bituminous Coated And 25% Paved, Add	*51.69*	
		For Smooth-Flo, Add	*102.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0587	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	254.14	66.90
		For Bituminous Coated Pipe, Add	*23.96*	
		For Bituminous Coated And 25% Paved, Add	*54.38*	
		For Smooth-Flo, Add	*108.28*	
33 42 11 00-0588	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	270.75	70.83
		For Bituminous Coated Pipe, Add	*25.16*	
		For Bituminous Coated And 25% Paved, Add	*57.10*	
		For Smooth-Flo, Add	*113.71*	
33 42 11 00-0589		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0575)*		
33 42 11 00-0590	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	126.32	26.76
		For Bituminous Coated Pipe, Add	*14.89*	
		For Bituminous Coated And 25% Paved, Add	*29.19*	
		For Smooth-Flo, Add	*58.98*	
33 42 11 00-0591	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	137.80	28.33
		For Bituminous Coated Pipe, Add	*16.26*	
		For Bituminous Coated And 25% Paved, Add	*31.87*	
		For Smooth-Flo, Add	*64.39*	
33 42 11 00-0592	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	170.17	34.62
		For Bituminous Coated Pipe, Add	*20.47*	
		For Bituminous Coated And 25% Paved, Add	*40.13*	
		For Smooth-Flo, Add	*81.07*	
33 42 11 00-0593	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	209.56	50.36
		For Bituminous Coated Pipe, Add	*21.88*	
		For Bituminous Coated And 25% Paved, Add	*42.88*	
		For Smooth-Flo, Add	*86.64*	
33 42 11 00-0594	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	226.61	55.08
		For Bituminous Coated Pipe, Add	*23.29*	
		For Bituminous Coated And 25% Paved, Add	*45.64*	
		For Smooth-Flo, Add	*92.21*	
33 42 11 00-0595	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	241.58	59.02
		For Bituminous Coated Pipe, Add	*24.71*	
		For Bituminous Coated And 25% Paved, Add	*48.42*	
		For Smooth-Flo, Add	*97.84*	
33 42 11 00-0596	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	256.49	62.95
		For Bituminous Coated Pipe, Add	*26.11*	
		For Bituminous Coated And 25% Paved, Add	*51.18*	
		For Smooth-Flo, Add	*103.41*	
33 42 11 00-0597	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	271.96	66.90
		For Bituminous Coated Pipe, Add	*27.52*	
		For Bituminous Coated And 25% Paved, Add	*53.94*	
		For Smooth-Flo, Add	*108.98*	
33 42 11 00-0598	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	289.65	70.83
		For Bituminous Coated Pipe, Add	*28.94*	
		For Bituminous Coated And 25% Paved, Add	*56.71*	
		For Smooth-Flo, Add	*114.59*	
33 42 11 00-0599	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	309.15	78.70
		For Bituminous Coated Pipe, Add	*30.35*	
		For Bituminous Coated And 25% Paved, Add	*59.49*	
		For Smooth-Flo, Add	*120.19*	
33 42 11 00-0600	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	328.21	86.57
		For Bituminous Coated Pipe, Add	*31.74*	
		For Bituminous Coated And 25% Paved, Add	*62.21*	
		For Smooth-Flo, Add	*125.70*	
33 42 11 00-0601		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0575)*		
33 42 11 00-0602	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	162.68	28.33
		For Bituminous Coated Pipe, Add	*21.24*	
		For Bituminous Coated And 25% Paved, Add	*40.45*	
		For Smooth-Flo, Add	*65.94*	
33 42 11 00-0603	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	197.73	34.62
		For Bituminous Coated Pipe, Add	*25.98*	
		For Bituminous Coated And 25% Paved, Add	*49.50*	
		For Smooth-Flo, Add	*80.68*	
33 42 11 00-0604	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	239.52	50.36
		For Bituminous Coated Pipe, Add	*27.87*	
		For Bituminous Coated And 25% Paved, Add	*53.10*	
		For Smooth-Flo, Add	*86.54*	
33 42 11 00-0605	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	259.00	55.08
		For Bituminous Coated Pipe, Add	*29.76*	
		For Bituminous Coated And 25% Paved, Add	*56.70*	
		For Smooth-Flo, Add	*92.42*	
33 42 11 00-0606	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	276.38	59.02
		For Bituminous Coated Pipe, Add	*31.67*	
		For Bituminous Coated And 25% Paved, Add	*60.32*	
		For Smooth-Flo, Add	*98.32*	
33 42 11 00-0607	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	293.71	62.95
		For Bituminous Coated Pipe, Add	*33.56*	
		For Bituminous Coated And 25% Paved, Add	*63.93*	
		For Smooth-Flo, Add	*104.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0608	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	311.64	66.90
		For Bituminous Coated Pipe, Add	*35.46*	
		For Bituminous Coated And 25% Paved, Add	*67.54*	
		For Smooth-Flo, Add	*110.09*	
33 42 11 00-0609	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	331.75	70.83
		For Bituminous Coated Pipe, Add	*37.36*	
		For Bituminous Coated And 25% Paved, Add	*71.16*	
		For Smooth-Flo, Add	*115.99*	
33 42 11 00-0610	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	353.64	78.70
		For Bituminous Coated Pipe, Add	*39.25*	
		For Bituminous Coated And 25% Paved, Add	*74.77*	
		For Smooth-Flo, Add	*121.87*	
33 42 11 00-0611	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	375.14	86.57
		For Bituminous Coated Pipe, Add	*41.13*	
		For Bituminous Coated And 25% Paved, Add	*78.35*	
		For Smooth-Flo, Add	*127.70*	
33 42 11 00-0612	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	395.77	94.44
		For Bituminous Coated Pipe, Add	*43.03*	
		For Bituminous Coated And 25% Paved, Add	*81.97*	
		For Smooth-Flo, Add	*133.61*	
33 42 11 00-0613		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0575)*		
33 42 11 00-0614	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	267.46	50.36
		For Bituminous Coated Pipe, Add	*33.46*	
		For Bituminous Coated And 25% Paved, Add	*63.57*	
		For Smooth-Flo, Add	*84.99*	
33 42 11 00-0615	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	289.23	55.08
		For Bituminous Coated Pipe, Add	*35.81*	
		For Bituminous Coated And 25% Paved, Add	*68.04*	
		For Smooth-Flo, Add	*90.96*	
33 42 11 00-0616	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	308.90	59.02
		For Bituminous Coated Pipe, Add	*38.17*	
		For Bituminous Coated And 25% Paved, Add	*72.52*	
		For Smooth-Flo, Add	*96.95*	
33 42 11 00-0617	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	328.53	62.95
		For Bituminous Coated Pipe, Add	*40.52*	
		For Bituminous Coated And 25% Paved, Add	*76.99*	
		For Smooth-Flo, Add	*102.93*	
33 42 11 00-0618	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	348.75	66.90
		For Bituminous Coated Pipe, Add	*42.88*	
		For Bituminous Coated And 25% Paved, Add	*81.47*	
		For Smooth-Flo, Add	*108.91*	
33 42 11 00-0619	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	371.16	70.83
		For Bituminous Coated Pipe, Add	*45.24*	
		For Bituminous Coated And 25% Paved, Add	*85.95*	
		For Smooth-Flo, Add	*114.90*	
33 42 11 00-0620	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	395.33	78.70
		For Bituminous Coated Pipe, Add	*47.59*	
		For Bituminous Coated And 25% Paved, Add	*90.42*	
		For Smooth-Flo, Add	*120.87*	
33 42 11 00-0621	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	419.11	86.57
		For Bituminous Coated Pipe, Add	*49.92*	
		For Bituminous Coated And 25% Paved, Add	*94.85*	
		For Smooth-Flo, Add	*126.80*	
33 42 11 00-0622	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	442.05	94.44
		For Bituminous Coated Pipe, Add	*52.29*	
		For Bituminous Coated And 25% Paved, Add	*99.34*	
		For Smooth-Flo, Add	*132.81*	
33 42 11 00-0623	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	466.43	102.31
		For Bituminous Coated Pipe, Add	*54.63*	
		For Bituminous Coated And 25% Paved, Add	*103.79*	
		For Smooth-Flo, Add	*138.76*	
33 42 11 00-0624	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	492.82	110.18
		For Bituminous Coated Pipe, Add	*56.99*	
		For Bituminous Coated And 25% Paved, Add	*108.28*	
		For Smooth-Flo, Add	*144.75*	
33 42 11 00-0625	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	521.61	118.05
		For Bituminous Coated Pipe, Add	*59.35*	
		For Bituminous Coated And 25% Paved, Add	*112.77*	
		For Smooth-Flo, Add	*150.75*	
33 42 11 00-0626		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-0627		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0626)*		
33 42 11 00-0628	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	98.16	23.61
		For Bituminous Coated Pipe, Add	*13.24*	
		For Bituminous Coated And 25% Paved, Add	*30.19*	
		For Smooth-Flo, Add	*47.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0629	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	116.74	26.76
		For Bituminous Coated Pipe, Add	*16.22*	
		For Bituminous Coated And 25% Paved, Add	*36.99*	
		For Smooth-Flo, Add	*58.73*	
33 42 11 00-0630	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	127.08	28.33
		For Bituminous Coated Pipe, Add	*17.65*	
		For Bituminous Coated And 25% Paved, Add	*40.23*	
		For Smooth-Flo, Add	*63.87*	
33 42 11 00-0631	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	156.66	34.62
		For Bituminous Coated Pipe, Add	*22.21*	
		For Bituminous Coated And 25% Paved, Add	*50.64*	
		For Smooth-Flo, Add	*80.41*	
33 42 11 00-0632	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	194.81	50.36
		For Bituminous Coated Pipe, Add	*23.66*	
		For Bituminous Coated And 25% Paved, Add	*53.95*	
		For Smooth-Flo, Add	*85.66*	
33 42 11 00-0633	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	210.61	55.08
		For Bituminous Coated Pipe, Add	*25.11*	
		For Bituminous Coated And 25% Paved, Add	*57.25*	
		For Smooth-Flo, Add	*90.89*	
33 42 11 00-0634	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	224.23	59.02
		For Bituminous Coated Pipe, Add	*26.55*	
		For Bituminous Coated And 25% Paved, Add	*60.52*	
		For Smooth-Flo, Add	*96.09*	
33 42 11 00-0635	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	237.83	62.95
		For Bituminous Coated Pipe, Add	*27.98*	
		For Bituminous Coated And 25% Paved, Add	*63.79*	
		For Smooth-Flo, Add	*101.28*	
33 42 11 00-0636	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	252.09	66.90
		For Bituminous Coated Pipe, Add	*29.43*	
		For Bituminous Coated And 25% Paved, Add	*67.11*	
		For Smooth-Flo, Add	*106.55*	
33 42 11 00-0637	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	268.66	70.83
		For Bituminous Coated Pipe, Add	*30.92*	
		For Bituminous Coated And 25% Paved, Add	*70.50*	
		For Smooth-Flo, Add	*111.94*	

33 42 11 00-0638 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0626)*

33 42 11 00-0639	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	129.42	26.76
		For Bituminous Coated Pipe, Add	*15.51*	
		For Bituminous Coated And 25% Paved, Add	*36.46*	
		For Smooth-Flo, Add	*66.01*	
33 42 11 00-0640	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	141.17	28.33
		For Bituminous Coated Pipe, Add	*16.93*	
		For Bituminous Coated And 25% Paved, Add	*39.79*	
		For Smooth-Flo, Add	*72.05*	
33 42 11 00-0641	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	172.04	34.62
		For Bituminous Coated Pipe, Add	*20.85*	
		For Bituminous Coated And 25% Paved, Add	*48.99*	
		For Smooth-Flo, Add	*88.70*	
33 42 11 00-0642	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	211.42	50.36
		For Bituminous Coated Pipe, Add	*22.25*	
		For Bituminous Coated And 25% Paved, Add	*52.29*	
		For Smooth-Flo, Add	*94.68*	
33 42 11 00-0643	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	228.72	55.08
		For Bituminous Coated Pipe, Add	*23.71*	
		For Bituminous Coated And 25% Paved, Add	*55.71*	
		For Smooth-Flo, Add	*100.88*	
33 42 11 00-0644	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	243.76	59.02
		For Bituminous Coated Pipe, Add	*25.14*	
		For Bituminous Coated And 25% Paved, Add	*59.08*	
		For Smooth-Flo, Add	*106.98*	
33 42 11 00-0645	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	258.06	62.95
		For Bituminous Coated Pipe, Add	*26.43*	
		For Bituminous Coated And 25% Paved, Add	*62.11*	
		For Smooth-Flo, Add	*112.45*	
33 42 11 00-0646	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	274.37	66.90
		For Bituminous Coated Pipe, Add	*28.00*	
		For Bituminous Coated And 25% Paved, Add	*65.80*	
		For Smooth-Flo, Add	*119.15*	
33 42 11 00-0647	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	292.13	70.83
		For Bituminous Coated Pipe, Add	*29.43*	
		For Bituminous Coated And 25% Paved, Add	*69.17*	
		For Smooth-Flo, Add	*125.23*	
33 42 11 00-0648	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	311.63	78.70
		For Bituminous Coated Pipe, Add	*30.85*	
		For Bituminous Coated And 25% Paved, Add	*72.49*	
		For Smooth-Flo, Add	*131.26*	
33 42 11 00-0649	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	331.00	86.57
		For Bituminous Coated Pipe, Add	*32.30*	
		For Bituminous Coated And 25% Paved, Add	*75.91*	
		For Smooth-Flo, Add	*137.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0650		**12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0626)*		
33 42 11 00-0651	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	167.56	28.33
		For Bituminous Coated Pipe, Add	*22.21*	
		For Bituminous Coated And 25% Paved, Add	*42.20*	
		For Smooth-Flo, Add	*76.19*	
33 42 11 00-0652	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	201.10	34.62
		For Bituminous Coated Pipe, Add	*26.66*	
		For Bituminous Coated And 25% Paved, Add	*50.65*	
		For Smooth-Flo, Add	*91.44*	
33 42 11 00-0653	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	243.25	50.36
		For Bituminous Coated Pipe, Add	*28.62*	
		For Bituminous Coated And 25% Paved, Add	*54.37*	
		For Smooth-Flo, Add	*98.16*	
33 42 11 00-0654	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	263.00	55.08
		For Bituminous Coated Pipe, Add	*30.56*	
		For Bituminous Coated And 25% Paved, Add	*58.07*	
		For Smooth-Flo, Add	*104.83*	
33 42 11 00-0655	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	280.51	59.02
		For Bituminous Coated Pipe, Add	*32.49*	
		For Bituminous Coated And 25% Paved, Add	*61.73*	
		For Smooth-Flo, Add	*111.45*	
33 42 11 00-0656	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	298.16	62.95
		For Bituminous Coated Pipe, Add	*34.45*	
		For Bituminous Coated And 25% Paved, Add	*65.45*	
		For Smooth-Flo, Add	*118.16*	
33 42 11 00-0657	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	316.31	66.90
		For Bituminous Coated Pipe, Add	*36.39*	
		For Bituminous Coated And 25% Paved, Add	*69.14*	
		For Smooth-Flo, Add	*124.82*	
33 42 11 00-0658	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	336.61	70.83
		For Bituminous Coated Pipe, Add	*38.33*	
		For Bituminous Coated And 25% Paved, Add	*72.82*	
		For Smooth-Flo, Add	*131.47*	
33 42 11 00-0659	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	358.81	78.70
		For Bituminous Coated Pipe, Add	*40.28*	
		For Bituminous Coated And 25% Paved, Add	*76.54*	
		For Smooth-Flo, Add	*138.17*	
33 42 11 00-0660	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	380.63	86.57
		For Bituminous Coated Pipe, Add	*42.23*	
		For Bituminous Coated And 25% Paved, Add	*80.23*	
		For Smooth-Flo, Add	*144.84*	
33 42 11 00-0661	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	401.46	94.44
		For Bituminous Coated Pipe, Add	*44.17*	
		For Bituminous Coated And 25% Paved, Add	*83.92*	
		For Smooth-Flo, Add	*151.50*	
33 42 11 00-0662		**10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0626)*		
33 42 11 00-0663	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	273.73	50.36
		For Bituminous Coated Pipe, Add	*34.71*	
		For Bituminous Coated And 25% Paved, Add	*65.96*	
		For Smooth-Flo, Add	*103.62*	
33 42 11 00-0664	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	296.31	55.08
		For Bituminous Coated Pipe, Add	*37.23*	
		For Bituminous Coated And 25% Paved, Add	*70.73*	
		For Smooth-Flo, Add	*111.12*	
33 42 11 00-0665	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	316.48	59.02
		For Bituminous Coated Pipe, Add	*39.69*	
		For Bituminous Coated And 25% Paved, Add	*75.40*	
		For Smooth-Flo, Add	*118.46*	
33 42 11 00-0666	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	336.53	62.95
		For Bituminous Coated Pipe, Add	*42.12*	
		For Bituminous Coated And 25% Paved, Add	*80.03*	
		For Smooth-Flo, Add	*125.73*	
33 42 11 00-0667	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	357.29	66.90
		For Bituminous Coated Pipe, Add	*44.59*	
		For Bituminous Coated And 25% Paved, Add	*84.71*	
		For Smooth-Flo, Add	*133.09*	
33 42 11 00-0668	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	380.10	70.83
		For Bituminous Coated Pipe, Add	*47.03*	
		For Bituminous Coated And 25% Paved, Add	*89.35*	
		For Smooth-Flo, Add	*140.37*	
33 42 11 00-0669	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	404.82	78.70
		For Bituminous Coated Pipe, Add	*49.49*	
		For Bituminous Coated And 25% Paved, Add	*94.02*	
		For Smooth-Flo, Add	*147.72*	
33 42 11 00-0670	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	429.20	86.57
		For Bituminous Coated Pipe, Add	*51.94*	
		For Bituminous Coated And 25% Paved, Add	*98.69*	
		For Smooth-Flo, Add	*155.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0671	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	452.52	94.44
		For Bituminous Coated Pipe, Add	*54.38*	
		For Bituminous Coated And 25% Paved, Add	*103.32*	
		For Smooth-Flo, Add	*162.32*	
33 42 11 00-0672	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	481.31	102.31
		For Bituminous Coated Pipe, Add	*57.60*	
		For Bituminous Coated And 25% Paved, Add	*109.45*	
		For Smooth-Flo, Add	*171.95*	
33 42 11 00-0673	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	509.18	110.18
		For Bituminous Coated Pipe, Add	*60.26*	
		For Bituminous Coated And 25% Paved, Add	*114.49*	
		For Smooth-Flo, Add	*179.88*	
33 42 11 00-0674	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	539.96	118.05
		For Bituminous Coated Pipe, Add	*63.02*	
		For Bituminous Coated And 25% Paved, Add	*119.74*	
		For Smooth-Flo, Add	*188.12*	

33 42 11 00-0675 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*

33 42 11 00-0676 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0675)*

33 42 11 00-0677	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	35.02	8.97
		For Bituminous Coated Pipe, Add	*4.08*	
33 42 11 00-0678	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	39.75	9.72
		For Bituminous Coated Pipe, Add	*4.86*	
33 42 11 00-0679	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	44.20	10.47
		For Bituminous Coated Pipe, Add	*5.52*	
33 42 11 00-0680	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	58.13	13.46
		For Bituminous Coated Pipe, Add	*7.11*	
33 42 11 00-0681	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	74.99	17.31
		For Bituminous Coated Pipe, Add	*8.91*	
33 42 11 00-0682	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	85.18	20.46
		For Bituminous Coated Pipe, Add	*10.51*	
33 42 11 00-0683	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	95.98	23.61
		For Bituminous Coated Pipe, Add	*11.83*	
33 42 11 00-0684	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	114.04	26.76
		For Bituminous Coated Pipe, Add	*14.49*	
33 42 11 00-0685	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	124.40	28.33
		For Bituminous Coated Pipe, Add	*15.82*	

33 42 11 00-0686 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0675)*

33 42 11 00-0687	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	37.94	8.97
		For Bituminous Coated Pipe, Add	*4.72*	
33 42 11 00-0688	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	43.17	9.72
		For Bituminous Coated Pipe, Add	*5.61*	
33 42 11 00-0689	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	48.09	10.47
		For Bituminous Coated Pipe, Add	*6.37*	
33 42 11 00-0690	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	62.97	13.46
		For Bituminous Coated Pipe, Add	*8.17*	
33 42 11 00-0691	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	80.81	17.31
		For Bituminous Coated Pipe, Add	*10.18*	
33 42 11 00-0692	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	91.99	20.46
		For Bituminous Coated Pipe, Add	*11.99*	
33 42 11 00-0693	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	103.75	23.61
		For Bituminous Coated Pipe, Add	*13.53*	
33 42 11 00-0694	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	122.79	26.76
		For Bituminous Coated Pipe, Add	*16.39*	
33 42 11 00-0695	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	134.14	28.33
		For Bituminous Coated Pipe, Add	*17.93*	
33 42 11 00-0696	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	164.26	34.62
		For Bituminous Coated Pipe, Add	*22.28*	
33 42 11 00-0697	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	203.22	50.36
		For Bituminous Coated Pipe, Add	*23.81*	
33 42 11 00-0698	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	219.96	55.08
		For Bituminous Coated Pipe, Add	*25.36*	

33 42 11 00-0699 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0675)*

33 42 11 00-0700	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.77	13.46
		For Bituminous Coated Pipe, Add	*8.54*	
33 42 11 00-0701	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	92.52	17.31
		For Bituminous Coated Pipe, Add	*10.54*	
33 42 11 00-0702	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	105.70	20.46
		For Bituminous Coated Pipe, Add	*12.40*	
33 42 11 00-0703	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	119.40	23.61
		For Bituminous Coated Pipe, Add	*14.02*	
33 42 11 00-0704	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	140.41	26.76
		For Bituminous Coated Pipe, Add	*16.74*	
33 42 11 00-0705	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	153.74	28.33
		For Bituminous Coated Pipe, Add	*18.38*	
33 42 11 00-0706	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	185.77	34.62
		For Bituminous Coated Pipe, Add	*22.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0707	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	226.66	50.36
		For Bituminous Coated Pipe, Add	*23.91*	
33 42 11 00-0708	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	245.33	55.08
		For Bituminous Coated Pipe, Add	*25.54*	
33 42 11 00-0709	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	261.81	59.02
		For Bituminous Coated Pipe, Add	*27.17*	
33 42 11 00-0710	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	278.27	62.95
		For Bituminous Coated Pipe, Add	*28.79*	
33 42 11 00-0711	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	295.30	66.90
		For Bituminous Coated Pipe, Add	*30.42*	
33 42 11 00-0712	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	313.55	70.83
		For Bituminous Coated Pipe, Add	*31.86*	

33 42 11 00-0713 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*

33 42 11 00-0714 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0713)*

33 42 11 00-0715	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.22	4.49
		For Bituminous Coated Pipe, Add	*1.04*	
33 42 11 00-0716	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.09	4.49
		For Bituminous Coated Pipe, Add	*1.25*	
33 42 11 00-0717	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.50	5.61
		For Bituminous Coated Pipe, Add	*1.38*	
33 42 11 00-0718	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.61	5.61
		For Bituminous Coated Pipe, Add	*1.65*	
33 42 11 00-0719	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	20.87	6.73
		For Bituminous Coated Pipe, Add	*1.73*	
33 42 11 00-0720	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.28	6.73
		For Bituminous Coated Pipe, Add	*2.08*	

33 42 11 00-0721 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0713)*

33 42 11 00-0722	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.35	4.49
		For Bituminous Coated Pipe, Add	*1.03*	
33 42 11 00-0723	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.19	4.49
		For Bituminous Coated Pipe, Add	*1.23*	
33 42 11 00-0724	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.62	5.61
		For Bituminous Coated Pipe, Add	*1.35*	
33 42 11 00-0725	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.80	5.61
		For Bituminous Coated Pipe, Add	*1.63*	
33 42 11 00-0726	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.08	6.73
		For Bituminous Coated Pipe, Add	*1.71*	
33 42 11 00-0727	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.52	6.73
		For Bituminous Coated Pipe, Add	*2.05*	

33 42 11 00-0728 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0713)*

33 42 11 00-0729	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.44	
		For Bituminous Coated Pipe, Add	*1.45*	
33 42 11 00-0730	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	8.52	
		For Bituminous Coated Pipe, Add	*1.92*	
33 42 11 00-0731	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.45	
		For Bituminous Coated Pipe, Add	*2.35*	
33 42 11 00-0732	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.22	
		For Bituminous Coated Pipe, Add	*3.20*	
33 42 11 00-0733	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.24	
		For Bituminous Coated Pipe, Add	*0.73*	
33 42 11 00-0734	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	7.73	
		For Bituminous Coated Pipe, Add	*1.10*	

33 42 11 00-0735 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0533)*

33 42 11 00-0736 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0735)*

33 42 11 00-0737	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	38.04	7.85
33 42 11 00-0738	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	44.26	8.22
33 42 11 00-0739	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	50.69	8.97
33 42 11 00-0740	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	58.55	9.72
33 42 11 00-0741	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	65.18	10.47
33 42 11 00-0742	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	85.51	13.46
33 42 11 00-0743	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	109.81	17.31
33 42 11 00-0744	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	126.52	20.46
33 42 11 00-0745	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	142.05	23.61

33 42 11 00-0746 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0735)*

33 42 11 00-0747	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	42.74	7.85
33 42 11 00-0748	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	50.09	8.22
33 42 11 00-0749	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	57.67	8.97
33 42 11 00-0750	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	66.63	9.72
33 42 11 00-0751	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	74.56	10.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0752	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	97.03	13.46
33 42 11 00-0753	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	123.72	17.31
33 42 11 00-0754	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	142.48	20.46
33 42 11 00-0755	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	160.26	23.61
33 42 11 00-0756	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	193.37	26.76
33 42 11 00-0757		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0735)*		
33 42 11 00-0758	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	72.21	8.97
33 42 11 00-0759	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	83.61	9.72
33 42 11 00-0760	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	93.87	10.47
33 42 11 00-0761	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	121.15	13.46
33 42 11 00-0762	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	146.75	17.31
33 42 11 00-0763	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	176.22	20.46
33 42 11 00-0764	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	198.77	23.61
33 42 11 00-0765	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	237.31	26.76
33 42 11 00-0766	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	259.28	28.33
33 42 11 00-0767	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	317.23	34.62
33 42 11 00-0768		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0735)*		
33 42 11 00-0769	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	179.10	17.31
33 42 11 00-0770	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	206.96	20.46
33 42 11 00-0771	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	233.69	23.61
33 42 11 00-0772	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	276.43	26.76
33 42 11 00-0773	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	302.82	28.33
33 42 11 00-0774	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	365.05	34.62
33 42 11 00-0775	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	418.84	50.36
33 42 11 00-0776		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-0777		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0776)*		
33 42 11 00-0778	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	136.51	17.31
33 42 11 00-0779	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	157.31	20.46
33 42 11 00-0780	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	176.57	23.61
33 42 11 00-0781	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	213.01	26.76
33 42 11 00-0782	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	231.94	28.33
33 42 11 00-0783	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	294.34	34.62
33 42 11 00-0784	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	341.43	50.36
33 42 11 00-0785	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	366.19	55.08
33 42 11 00-0786	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	388.85	59.02
33 42 11 00-0787	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	411.53	62.95
33 42 11 00-0788	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	434.70	66.90
33 42 11 00-0789	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	460.18	70.83
33 42 11 00-0790		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0776)*		
33 42 11 00-0791	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	238.15	26.76
33 42 11 00-0792	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	259.73	28.33
33 42 11 00-0793	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	324.95	34.62
33 42 11 00-0794	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	374.73	50.36
33 42 11 00-0795	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	402.21	55.08
33 42 11 00-0796	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	427.69	59.02
33 42 11 00-0797	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	453.01	62.95
33 42 11 00-0798	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	478.89	66.90
33 42 11 00-0799	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	507.10	70.83
33 42 11 00-0800	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	537.06	78.70
33 42 11 00-0801	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	566.39	86.57
33 42 11 00-0802		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0776)*		
33 42 11 00-0803	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	322.97	28.33
33 42 11 00-0804	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	395.30	34.62
33 42 11 00-0805	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	451.18	50.36
33 42 11 00-0806	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	484.79	55.08
33 42 11 00-0807	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	516.36	59.02
33 42 11 00-0808	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	547.82	62.95
33 42 11 00-0809	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	579.88	66.90
33 42 11 00-0810	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	614.19	70.83
33 42 11 00-0811	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	650.20	78.70
33 42 11 00-0812	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	685.74	86.57
33 42 11 00-0813	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	720.57	94.44
33 42 11 00-0814		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0776)*		
33 42 11 00-0815	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	520.84	50.36
33 42 11 00-0816	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	560.12	55.08
33 42 11 00-0817	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	597.42	59.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0818	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	634.58	62.95
33 42 11 00-0819	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	672.37	66.90
33 42 11 00-0820	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	712.39	70.83
33 42 11 00-0821	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	754.12	78.70
33 42 11 00-0822	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	795.35	86.57
33 42 11 00-0823	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	835.90	94.44
33 42 11 00-0824	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	877.78	102.31
33 42 11 00-0825	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	921.78	110.18
33 42 11 00-0826	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	968.20	118.05
33 42 11 00-0827		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-0828		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0827)*		
33 42 11 00-0829	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	171.15	23.61
33 42 11 00-0830	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	207.04	26.76
33 42 11 00-0831	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	225.10	28.33
33 42 11 00-0832	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	281.63	34.62
33 42 11 00-0833	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	327.69	50.36
33 42 11 00-0834	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	351.36	55.08
33 42 11 00-0835	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	372.80	59.02
33 42 11 00-0836	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	394.18	62.95
33 42 11 00-0837	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	416.34	66.90
33 42 11 00-0838	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	441.06	70.83
33 42 11 00-0839		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0827)*		
33 42 11 00-0840	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	236.91	26.76
33 42 11 00-0841	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	258.37	28.33
33 42 11 00-0842	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	317.91	34.62
33 42 11 00-0843	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	366.89	50.36
33 42 11 00-0844	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	394.11	55.08
33 42 11 00-0845	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	418.87	59.02
33 42 11 00-0846	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	441.92	62.95
33 42 11 00-0847	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	468.92	66.90
33 42 11 00-0848	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	496.42	70.83
33 42 11 00-0849	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	525.53	78.70
33 42 11 00-0850	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	554.78	86.57
33 42 11 00-0851		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0827)*		
33 42 11 00-0852	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	325.04	28.33
33 42 11 00-0853	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	391.68	34.62
33 42 11 00-0854	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	447.63	50.36
33 42 11 00-0855	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	480.97	55.08
33 42 11 00-0856	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	511.99	59.02
33 42 11 00-0857	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	543.36	62.95
33 42 11 00-0858	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	575.13	66.90
33 42 11 00-0859	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	608.97	70.83
33 42 11 00-0860	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	644.89	78.70
33 42 11 00-0861	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	680.32	86.57
33 42 11 00-0862	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	714.74	94.44
33 42 11 00-0863		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0827)*		
33 42 11 00-0864	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	520.81	50.36
33 42 11 00-0865	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	560.96	55.08
33 42 11 00-0866	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	598.38	59.02
33 42 11 00-0867	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	635.52	62.95
33 42 11 00-0868	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	673.48	66.90
33 42 11 00-0869	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	713.44	70.83
33 42 11 00-0870	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	755.35	78.70
33 42 11 00-0871	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	796.92	86.57
33 42 11 00-0872	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	837.38	94.44
33 42 11 00-0873	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	888.73	102.31
33 42 11 00-0874	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	935.24	110.18
33 42 11 00-0875	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	985.34	118.05
33 42 11 00-0876		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0532)*		
33 42 11 00-0877		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0878		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0879	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	28.80	8.22
		For Bituminous Coated Pipe, Add	*2.97*	
		For Bituminous Coated And 25% Paved, Add	*7.17*	
		For Smooth-Flo, Add	*11.83*	
33 42 11 00-0880	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	31.74	8.97
		For Bituminous Coated Pipe, Add	*3.54*	
		For Bituminous Coated And 25% Paved, Add	*8.57*	
		For Smooth-Flo, Add	*14.13*	
33 42 11 00-0881	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	36.02	9.72
		For Bituminous Coated Pipe, Add	*4.27*	
		For Bituminous Coated And 25% Paved, Add	*10.31*	
		For Smooth-Flo, Add	*17.01*	
33 42 11 00-0882	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	40.24	10.47
		For Bituminous Coated Pipe, Add	*4.91*	
		For Bituminous Coated And 25% Paved, Add	*11.88*	
		For Smooth-Flo, Add	*19.59*	
33 42 11 00-0883	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	52.67	13.46
		For Bituminous Coated Pipe, Add	*6.24*	
		For Bituminous Coated And 25% Paved, Add	*15.09*	
		For Smooth-Flo, Add	*24.88*	
33 42 11 00-0884	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.05	17.31
		For Bituminous Coated Pipe, Add	*8.05*	
		For Bituminous Coated And 25% Paved, Add	*19.46*	
		For Smooth-Flo, Add	*32.09*	
33 42 11 00-0885		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0886	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	31.21	8.22
		For Bituminous Coated Pipe, Add	*3.08*	
		For Bituminous Coated And 25% Paved, Add	*7.20*	
		For Smooth-Flo, Add	*11.81*	
33 42 11 00-0887	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	34.68	8.97
		For Bituminous Coated Pipe, Add	*3.69*	
		For Bituminous Coated And 25% Paved, Add	*8.64*	
		For Smooth-Flo, Add	*14.17*	
33 42 11 00-0888	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.30	9.72
		For Bituminous Coated Pipe, Add	*4.39*	
		For Bituminous Coated And 25% Paved, Add	*10.27*	
		For Smooth-Flo, Add	*16.84*	
33 42 11 00-0889	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.04	10.47
		For Bituminous Coated Pipe, Add	*5.06*	
		For Bituminous Coated And 25% Paved, Add	*11.84*	
		For Smooth-Flo, Add	*19.41*	
33 42 11 00-0890	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.41	13.46
		For Bituminous Coated Pipe, Add	*6.41*	
		For Bituminous Coated And 25% Paved, Add	*14.99*	
		For Smooth-Flo, Add	*24.59*	
33 42 11 00-0891	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	74.69	17.31
		For Bituminous Coated Pipe, Add	*8.16*	
		For Bituminous Coated And 25% Paved, Add	*19.09*	
		For Smooth-Flo, Add	*31.32*	
33 42 11 00-0892	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	85.29	20.46
		For Bituminous Coated Pipe, Add	*9.72*	
		For Bituminous Coated And 25% Paved, Add	*22.75*	
		For Smooth-Flo, Add	*37.31*	
33 42 11 00-0893		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0894	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.57	9.44
		For Bituminous Coated Pipe, Add	*3.99*	
		For Bituminous Coated And 25% Paved, Add	*8.89*	
		For Smooth-Flo, Add	*13.66*	
33 42 11 00-0895	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.57	10.23
		For Bituminous Coated Pipe, Add	*4.74*	
		For Bituminous Coated And 25% Paved, Add	*10.54*	
		For Smooth-Flo, Add	*16.21*	
33 42 11 00-0896	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	56.58	11.02
		For Bituminous Coated Pipe, Add	*5.43*	
		For Bituminous Coated And 25% Paved, Add	*12.09*	
		For Smooth-Flo, Add	*18.59*	
33 42 11 00-0897	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.44	14.16
		For Bituminous Coated Pipe, Add	*6.84*	
		For Bituminous Coated And 25% Paved, Add	*15.22*	
		For Smooth-Flo, Add	*23.41*	
33 42 11 00-0898	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	86.20	17.31
		For Bituminous Coated Pipe, Add	*8.56*	
		For Bituminous Coated And 25% Paved, Add	*19.05*	
		For Smooth-Flo, Add	*29.29*	
33 42 11 00-0899	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	98.58	20.46
		For Bituminous Coated Pipe, Add	*10.12*	
		For Bituminous Coated And 25% Paved, Add	*22.53*	
		For Smooth-Flo, Add	*34.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0900	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	114.59	23.61
		For Bituminous Coated Pipe, Add	*12.00*	
		For Bituminous Coated And 25% Paved, Add	*26.72*	
		For Smooth-Flo, Add	*41.08*	
33 42 11 00-0901	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	128.47	26.76
		For Bituminous Coated Pipe, Add	*13.26*	
		For Bituminous Coated And 25% Paved, Add	*29.50*	
		For Smooth-Flo, Add	*45.36*	
33 42 11 00-0902		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0877)*		
33 42 11 00-0903	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	97.04	17.31
		For Bituminous Coated Pipe, Add	*10.31*	
		For Bituminous Coated And 25% Paved, Add	*21.71*	
		For Smooth-Flo, Add	*27.38*	
33 42 11 00-0904	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	111.21	20.46
		For Bituminous Coated Pipe, Add	*12.16*	
		For Bituminous Coated And 25% Paved, Add	*25.61*	
		For Smooth-Flo, Add	*32.30*	
33 42 11 00-0905	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	128.90	23.61
		For Bituminous Coated Pipe, Add	*14.31*	
		For Bituminous Coated And 25% Paved, Add	*30.13*	
		For Smooth-Flo, Add	*38.00*	
33 42 11 00-0906	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	144.66	26.76
		For Bituminous Coated Pipe, Add	*15.87*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*42.14*	
33 42 11 00-0907	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	158.39	28.33
		For Bituminous Coated Pipe, Add	*17.42*	
		For Bituminous Coated And 25% Paved, Add	*36.68*	
		For Smooth-Flo, Add	*46.26*	
33 42 11 00-0908		**3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0876)*		
33 42 11 00-0909		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0908)*		
33 42 11 00-0910	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	128.32	26.76
		For Bituminous Coated Pipe, Add	*15.29*	
		For Bituminous Coated And 25% Paved, Add	*46.49*	
		For Smooth-Flo, Add	*52.00*	
33 42 11 00-0911	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	140.18	28.33
		For Bituminous Coated Pipe, Add	*16.74*	
		For Bituminous Coated And 25% Paved, Add	*50.88*	
		For Smooth-Flo, Add	*56.90*	
33 42 11 00-0912	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	172.91	34.62
		For Bituminous Coated Pipe, Add	*21.02*	
		For Bituminous Coated And 25% Paved, Add	*63.90*	
		For Smooth-Flo, Add	*71.47*	
33 42 11 00-0913	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	212.84	50.36
		For Bituminous Coated Pipe, Add	*22.54*	
		For Bituminous Coated And 25% Paved, Add	*68.51*	
		For Smooth-Flo, Add	*76.62*	
33 42 11 00-0914	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	230.81	55.08
		For Bituminous Coated Pipe, Add	*24.13*	
		For Bituminous Coated And 25% Paved, Add	*73.34*	
		For Smooth-Flo, Add	*82.03*	
33 42 11 00-0915	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	246.69	59.02
		For Bituminous Coated Pipe, Add	*25.73*	
		For Bituminous Coated And 25% Paved, Add	*78.21*	
		For Smooth-Flo, Add	*87.48*	
33 42 11 00-0916	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	262.51	62.95
		For Bituminous Coated Pipe, Add	*27.32*	
		For Bituminous Coated And 25% Paved, Add	*83.05*	
		For Smooth-Flo, Add	*92.88*	
33 42 11 00-0917	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	278.89	66.90
		For Bituminous Coated Pipe, Add	*28.91*	
		For Bituminous Coated And 25% Paved, Add	*87.87*	
		For Smooth-Flo, Add	*98.28*	
33 42 11 00-0918		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0908)*		
33 42 11 00-0919	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	165.09	28.33
		For Bituminous Coated Pipe, Add	*21.72*	
		For Bituminous Coated And 25% Paved, Add	*56.90*	
		For Smooth-Flo, Add	*67.33*	
33 42 11 00-0920	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	200.54	34.62
		For Bituminous Coated Pipe, Add	*26.55*	
		For Bituminous Coated And 25% Paved, Add	*69.55*	
		For Smooth-Flo, Add	*82.29*	
33 42 11 00-0921	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	242.91	50.36
		For Bituminous Coated Pipe, Add	*28.55*	
		For Bituminous Coated And 25% Paved, Add	*74.80*	
		For Smooth-Flo, Add	*88.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0922	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.32	55.08
		For Bituminous Coated Pipe, Add	*30.63*	
		For Bituminous Coated And 25% Paved, Add	*80.25*	
		For Smooth-Flo, Add	*94.95*	
33 42 11 00-0923	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	281.62	59.02
		For Bituminous Coated Pipe, Add	*32.71*	
		For Bituminous Coated And 25% Paved, Add	*85.71*	
		For Smooth-Flo, Add	*101.41*	
33 42 11 00-0924	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	299.89	62.95
		For Bituminous Coated Pipe, Add	*34.79*	
		For Bituminous Coated And 25% Paved, Add	*91.16*	
		For Smooth-Flo, Add	*107.86*	
33 42 11 00-0925	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	318.69	66.90
		For Bituminous Coated Pipe, Add	*36.87*	
		For Bituminous Coated And 25% Paved, Add	*96.59*	
		For Smooth-Flo, Add	*114.28*	
33 42 11 00-0926	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	339.78	70.83
		For Bituminous Coated Pipe, Add	*38.96*	
		For Bituminous Coated And 25% Paved, Add	*102.08*	
		For Smooth-Flo, Add	*120.78*	
33 42 11 00-0927	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	362.61	78.70
		For Bituminous Coated Pipe, Add	*41.04*	
		For Bituminous Coated And 25% Paved, Add	*107.54*	
		For Smooth-Flo, Add	*127.24*	
33 42 11 00-0928	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	386.16	86.57
		For Bituminous Coated Pipe, Add	*43.33*	
		For Bituminous Coated And 25% Paved, Add	*113.53*	
		For Smooth-Flo, Add	*134.33*	
33 42 11 00-0929		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0908)*		
33 42 11 00-0930	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	270.85	50.36
		For Bituminous Coated Pipe, Add	*34.14*	
		For Bituminous Coated And 25% Paved, Add	*81.25*	
		For Smooth-Flo, Add	*88.25*	
33 42 11 00-0931	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	293.57	55.08
		For Bituminous Coated Pipe, Add	*36.68*	
		For Bituminous Coated And 25% Paved, Add	*87.29*	
		For Smooth-Flo, Add	*94.81*	
33 42 11 00-0932	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	314.16	59.02
		For Bituminous Coated Pipe, Add	*39.22*	
		For Bituminous Coated And 25% Paved, Add	*93.35*	
		For Smooth-Flo, Add	*101.39*	
33 42 11 00-0933	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	334.69	62.95
		For Bituminous Coated Pipe, Add	*41.75*	
		For Bituminous Coated And 25% Paved, Add	*99.37*	
		For Smooth-Flo, Add	*107.93*	
33 42 11 00-0934	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	355.80	66.90
		For Bituminous Coated Pipe, Add	*44.29*	
		For Bituminous Coated And 25% Paved, Add	*105.41*	
		For Smooth-Flo, Add	*114.48*	
33 42 11 00-0935	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	379.16	70.83
		For Bituminous Coated Pipe, Add	*46.84*	
		For Bituminous Coated And 25% Paved, Add	*111.47*	
		For Smooth-Flo, Add	*121.08*	
33 42 11 00-0936	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	404.28	78.70
		For Bituminous Coated Pipe, Add	*49.38*	
		For Bituminous Coated And 25% Paved, Add	*117.52*	
		For Smooth-Flo, Add	*127.64*	
33 42 11 00-0937	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	429.94	86.57
		For Bituminous Coated Pipe, Add	*52.09*	
		For Bituminous Coated And 25% Paved, Add	*123.97*	
		For Smooth-Flo, Add	*134.65*	
33 42 11 00-0938	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	457.33	94.44
		For Bituminous Coated Pipe, Add	*55.34*	
		For Bituminous Coated And 25% Paved, Add	*131.71*	
		For Smooth-Flo, Add	*143.06*	
33 42 11 00-0939		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0940		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0939)*		
33 42 11 00-0941	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	245.65	50.36
		For Bituminous Coated Pipe, Add	*29.10*	
		For Bituminous Coated And 25% Paved, Add	*71.00*	
		For Smooth-Flo, Add	*90.35*	
33 42 11 00-0942	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	265.79	55.08
		For Bituminous Coated Pipe, Add	*31.12*	
		For Bituminous Coated And 25% Paved, Add	*75.94*	
		For Smooth-Flo, Add	*96.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0943	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	283.66	59.02
		For Bituminous Coated Pipe, Add	*33.12*	
		For Bituminous Coated And 25% Paved, Add	*80.82*	
		For Smooth-Flo, Add	*102.84*	
33 42 11 00-0944	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	301.53	62.95
		For Bituminous Coated Pipe, Add	*35.12*	
		For Bituminous Coated And 25% Paved, Add	*85.70*	
		For Smooth-Flo, Add	*109.05*	
33 42 11 00-0945	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	320.04	66.90
		For Bituminous Coated Pipe, Add	*37.14*	
		For Bituminous Coated And 25% Paved, Add	*90.61*	
		For Smooth-Flo, Add	*115.31*	
33 42 11 00-0946	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	340.90	70.83
		For Bituminous Coated Pipe, Add	*39.19*	
		For Bituminous Coated And 25% Paved, Add	*95.61*	
		For Smooth-Flo, Add	*121.67*	
33 42 11 00-0947	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	363.50	78.70
		For Bituminous Coated Pipe, Add	*41.22*	
		For Bituminous Coated And 25% Paved, Add	*100.58*	
		For Smooth-Flo, Add	*127.99*	
33 42 11 00-0948	LF	137" x 87"" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	388.38	86.57
		For Bituminous Coated Pipe, Add	*43.78*	
		For Bituminous Coated And 25% Paved, Add	*106.81*	
		For Smooth-Flo, Add	*135.92*	
33 42 11 00-0949		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0939)*		
33 42 11 00-0950	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	276.58	50.36
		For Bituminous Coated Pipe, Add	*35.28*	
		For Bituminous Coated And 25% Paved, Add	*79.74*	
		For Smooth-Flo, Add	*86.62*	
33 42 11 00-0951	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	299.19	55.08
		For Bituminous Coated Pipe, Add	*37.80*	
		For Bituminous Coated And 25% Paved, Add	*85.43*	
		For Smooth-Flo, Add	*92.80*	
33 42 11 00-0952	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	319.58	59.02
		For Bituminous Coated Pipe, Add	*40.31*	
		For Bituminous Coated And 25% Paved, Add	*91.09*	
		For Smooth-Flo, Add	*98.95*	
33 42 11 00-0953	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	340.04	62.95
		For Bituminous Coated Pipe, Add	*42.82*	
		For Bituminous Coated And 25% Paved, Add	*96.78*	
		For Smooth-Flo, Add	*105.13*	
33 42 11 00-0954	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	360.64	66.90
		For Bituminous Coated Pipe, Add	*45.26*	
		For Bituminous Coated And 25% Paved, Add	*102.28*	
		For Smooth-Flo, Add	*111.10*	
33 42 11 00-0955	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	384.35	70.83
		For Bituminous Coated Pipe, Add	*47.88*	
		For Bituminous Coated And 25% Paved, Add	*108.20*	
		For Smooth-Flo, Add	*117.54*	
33 42 11 00-0956	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	409.51	78.70
		For Bituminous Coated Pipe, Add	*50.42*	
		For Bituminous Coated And 25% Paved, Add	*113.96*	
		For Smooth-Flo, Add	*123.79*	
33 42 11 00-0957	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	436.93	86.57
		For Bituminous Coated Pipe, Add	*53.49*	
		For Bituminous Coated And 25% Paved, Add	*120.88*	
		For Smooth-Flo, Add	*131.31*	
33 42 11 00-0958	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	462.50	94.44
		For Bituminous Coated Pipe, Add	*56.38*	
		For Bituminous Coated And 25% Paved, Add	*127.41*	
		For Smooth-Flo, Add	*138.40*	
33 42 11 00-0959		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0960		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0959)*		
33 42 11 00-0961	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	44.30	8.22
33 42 11 00-0962	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.26	8.97
33 42 11 00-0963	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.37	9.72
33 42 11 00-0964	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	66.04	10.47
33 42 11 00-0965	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.53	13.46
33 42 11 00-0966	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.73	17.31
33 42 11 00-0967		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0959)*		
33 42 11 00-0968	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	49.83	8.22
33 42 11 00-0969	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	57.02	8.97
33 42 11 00-0970	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	65.91	9.72
33 42 11 00-0971	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.81	10.47
33 42 11 00-0972	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.43	13.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0973	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.70	17.31
33 42 11 00-0974	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	144.99	20.46
33 42 11 00-0975		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0959)*		
33 42 11 00-0976	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.59	8.97
33 42 11 00-0977	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.54	9.72
33 42 11 00-0978	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.03	10.47
33 42 11 00-0979	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.16	13.46
33 42 11 00-0980	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	158.20	17.31
33 42 11 00-0981	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.00	20.46
33 42 11 00-0982	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	216.58	23.61
33 42 11 00-0983	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	240.80	26.76
33 42 11 00-0984		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0959)*		
33 42 11 00-0985	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.47	17.31
33 42 11 00-0986	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	214.66	20.46
33 42 11 00-0987	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	251.34	23.61
33 42 11 00-0988	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	280.10	26.76
33 42 11 00-0989	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.78	28.33
33 42 11 00-0990		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0991		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0990)*		
33 42 11 00-0992	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	243.09	26.76
33 42 11 00-0993	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	265.54	28.33
33 42 11 00-0994	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	331.69	34.62
33 42 11 00-0995	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	382.82	50.36
33 42 11 00-0996	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	412.60	55.08
33 42 11 00-0997	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	440.30	59.02
33 42 11 00-0998	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	467.90	62.95
33 42 11 00-0999	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	496.11	66.90
33 42 11 00-1000		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0990)*		
33 42 11 00-1001	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	328.90	28.33
33 42 11 00-1002	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	402.22	34.62
33 42 11 00-1003	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	459.58	50.36
33 42 11 00-1004	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	495.48	55.08
33 42 11 00-1005	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.33	59.02
33 42 11 00-1006	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	563.15	62.95
33 42 11 00-1007	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	597.45	66.90
33 42 11 00-1008	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	634.13	70.83
33 42 11 00-1009	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	672.50	78.70
33 42 11 00-1010	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	713.14	86.57
33 42 11 00-1011		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0990)*		
33 42 11 00-1012	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.22	50.36
33 42 11 00-1013	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	570.87	55.08
33 42 11 00-1014	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	610.48	59.02
33 42 11 00-1015	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	649.89	62.95
33 42 11 00-1016	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	689.93	66.90
33 42 11 00-1017	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	732.31	70.83
33 42 11 00-1018	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	776.41	78.70
33 42 11 00-1019	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	822.28	86.57
33 42 11 00-1020	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	873.95	94.44
33 42 11 00-1021		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-1022		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1021)*		
33 42 11 00-1023	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	453.32	50.36
33 42 11 00-1024	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	487.65	55.08
33 42 11 00-1025	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	519.55	59.02
33 42 11 00-1026	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	551.41	62.95
33 42 11 00-1027	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	584.03	66.90
33 42 11 00-1028	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	619.26	70.83
33 42 11 00-1029	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	656.11	78.70
33 42 11 00-1030	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	698.87	86.57
33 42 11 00-1031		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1021)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1032	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	527.60	50.36
33 42 11 00-1033	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	567.82	55.08
33 42 11 00-1034	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	605.75	59.02
33 42 11 00-1035	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	643.84	62.95
33 42 11 00-1036	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	681.52	66.90
33 42 11 00-1037	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	723.56	70.83
33 42 11 00-1038	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	766.60	78.70
33 42 11 00-1039	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	815.53	86.57
33 42 11 00-1040	LF	142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	861.24	94.44

33 42 11 00-1041 Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0532)*

33 42 11 00-1042 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1041)*

33 42 11 00-1043 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1044	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	27.23	7.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.41*	
33 42 11 00-1045	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.65	8.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.56*	
33 42 11 00-1046	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.19	8.97
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.74*	
33 42 11 00-1047	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.83	9.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.06*	
33 42 11 00-1048	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.96	10.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.07*	
33 42 11 00-1049	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.74	13.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.77*	
33 42 11 00-1050	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	73.48	17.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.85*	
33 42 11 00-1051	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.54	20.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.56*	
33 42 11 00-1052	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	93.91	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.68*	

33 42 11 00-1053 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1054	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.62	7.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.19*	
33 42 11 00-1055	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.59	8.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.26*	
33 42 11 00-1056	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.69	8.97
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.36*	
33 42 11 00-1057	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.90	9.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.56*	
33 42 11 00-1058	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.68	10.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.56*	
33 42 11 00-1059	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.52	13.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.00*	
33 42 11 00-1060	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.47	17.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.78*	
33 42 11 00-1061	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.59	20.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.23*	
33 42 11 00-1062	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.08	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.23*	
33 42 11 00-1063	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.01	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.42*	

33 42 11 00-1064 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1065	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	45.07	8.97
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.93*	
33 42 11 00-1066	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.50	9.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.01*	
33 42 11 00-1067	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.46	10.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.94*	
33 42 11 00-1068	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.72	13.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.13*	
33 42 11 00-1069	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.19	17.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.57*	
33 42 11 00-1070	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.65	20.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.74*	
33 42 11 00-1071	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.54	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.63*	
33 42 11 00-1072	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.24	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.08*	
33 42 11 00-1073	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.61	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1074	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.39	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.00*	
33 42 11 00-1075		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*		
33 42 11 00-1076	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.43	17.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.77*	
33 42 11 00-1077	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	124.13	20.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.14*	
33 42 11 00-1078	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.12	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.22*	
33 42 11 00-1079	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.95	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.72*	
33 42 11 00-1080	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.55	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.82*	
33 42 11 00-1081	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	217.48	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.74*	
33 42 11 00-1082	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.62	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.81*	
33 42 11 00-1083		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1041)*		
33 42 11 00-1084		16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1083)*		
33 42 11 00-1085	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.89	17.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.51*	
33 42 11 00-1086	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.45	20.46
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.38*	
33 42 11 00-1087	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.30	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.74*	
33 42 11 00-1088	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.71	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.55*	
33 42 11 00-1089	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.15	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.93*	
33 42 11 00-1090	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.97	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.16*	
33 42 11 00-1091	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.31	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.60*	
33 42 11 00-1092	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.34	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.06*	
33 42 11 00-1093	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.25	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.52*	
33 42 11 00-1094	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.15	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.98*	
33 42 11 00-1095	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.61	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.44*	
33 42 11 00-1096	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.30	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.92*	
33 42 11 00-1097		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1083)*		
33 42 11 00-1098	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.67	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.01*	
33 42 11 00-1099	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	152.36	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.12*	
33 42 11 00-1100	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	188.51	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.62*	
33 42 11 00-1101	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	229.16	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.80*	
33 42 11 00-1102	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.47	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.97*	
33 42 11 00-1103	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.72	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.17*	
33 42 11 00-1104	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	279.89	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.34*	
33 42 11 00-1105	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.62	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.51*	
33 42 11 00-1106	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.59	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.70*	
33 42 11 00-1107	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	336.35	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.89*	
33 42 11 00-1108	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.67	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.04*	
33 42 11 00-1109		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1083)*		
33 42 11 00-1110	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.74	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.69*	
33 42 11 00-1111	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	221.04	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1112	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.51	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.21*	
33 42 11 00-1113	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	285.70	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*47.21*	
33 42 11 00-1114	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.79	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.23*	
33 42 11 00-1115	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	323.83	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.24*	
33 42 11 00-1116	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	343.42	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.24*	
33 42 11 00-1117	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.24	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.25*	
33 42 11 00-1118	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.84	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.26*	
33 42 11 00-1119	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	412.03	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.24*	
33 42 11 00-1120	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	434.36	94.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.26*	

33 42 11 00-1121 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1083)

33 42 11 00-1122	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.49	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.27*	
33 42 11 00-1123	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.33	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.07*	
33 42 11 00-1124	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	343.13	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.90*	
33 42 11 00-1125	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	364.85	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.71*	
33 42 11 00-1126	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	387.18	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.53*	
33 42 11 00-1127	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	411.73	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.36*	
33 42 11 00-1128	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	437.99	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.17*	
33 42 11 00-1129	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	463.88	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*80.95*	
33 42 11 00-1130	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	488.94	94.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.79*	
33 42 11 00-1131	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	515.43	102.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*88.59*	
33 42 11 00-1132	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	543.93	110.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.41*	
33 42 11 00-1133	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	574.84	118.05
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.25*	

33 42 11 00-1134 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1041)

33 42 11 00-1135 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1134)*

33 42 11 00-1136	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.69	23.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.93*	
33 42 11 00-1137	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.41	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.00*	
33 42 11 00-1138	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.75	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.88*	
33 42 11 00-1139	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.62	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.17*	
33 42 11 00-1140	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	211.80	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.12*	
33 42 11 00-1141	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.66	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.06*	
33 42 11 00-1142	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.31	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.99*	
33 42 11 00-1143	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	257.93	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.90*	
33 42 11 00-1144	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.25	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.86*	
33 42 11 00-1145	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	290.89	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.89*	

33 42 11 00-1146 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1134)*

33 42 11 00-1147	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	143.35	26.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.11*	
33 42 11 00-1148	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.41	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.97*	
33 42 11 00-1149	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	190.76	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1150	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	231.43	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.63*	
33 42 11 00-1151	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.03	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*47.55*	
33 42 11 00-1152	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	266.35	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.42*	
33 42 11 00-1153	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.82	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.01*	
33 42 11 00-1154	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.52	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.15*	
33 42 11 00-1155	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.58	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.03*	
33 42 11 00-1156	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	339.36	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.87*	
33 42 11 00-1157	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	360.04	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.78*	

33 42 11 00-1158 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1134)*

33 42 11 00-1159	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	187.54	28.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.48*	
33 42 11 00-1160	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.08	34.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.98*	
33 42 11 00-1161	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	269.01	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.29*	
33 42 11 00-1162	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	290.49	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.57*	
33 42 11 00-1163	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	309.76	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.83*	
33 42 11 00-1164	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	329.18	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.13*	
33 42 11 00-1165	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.06	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.40*	
33 42 11 00-1166	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	371.11	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.68*	
33 42 11 00-1167	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	395.06	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.97*	
33 42 11 00-1168	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	418.64	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.25*	
33 42 11 00-1169	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	441.22	94.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.53*	

33 42 11 00-1170 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1134)*

33 42 11 00-1171	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.99	50.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.58*	
33 42 11 00-1172	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	329.83	55.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.82*	
33 42 11 00-1173	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.22	59.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.97*	
33 42 11 00-1174	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.47	62.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.09*	
33 42 11 00-1175	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	397.41	66.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.23*	
33 42 11 00-1176	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	422.45	70.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.36*	
33 42 11 00-1177	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.37	78.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.51*	
33 42 11 00-1178	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	475.95	86.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.64*	
33 42 11 00-1179	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	501.48	94.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.77*	
33 42 11 00-1180	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	533.19	102.31
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.21*	
33 42 11 00-1181	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.44	110.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.69*	
33 42 11 00-1182	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.69	118.05
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.35*	

33 42 11 00-1183 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1041)*

33 42 11 00-1184 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1183)*

33 42 11 00-1185	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	38.21	8.97
33 42 11 00-1186	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.48	9.72
33 42 11 00-1187	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.47	10.47
33 42 11 00-1188	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	63.46	13.46
33 42 11 00-1189	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	81.37	17.31
33 42 11 00-1190	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.64	20.46
33 42 11 00-1191	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	104.49	23.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1192	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	123.64	26.76
33 42 11 00-1193	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	135.06	28.33
33 42 11 00-1194		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1183)*		
33 42 11 00-1195	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	41.67	8.97
33 42 11 00-1196	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	47.53	9.72
33 42 11 00-1197	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	53.06	10.47
33 42 11 00-1198	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	69.19	13.46
33 42 11 00-1199	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	88.27	17.31
33 42 11 00-1200	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.71	20.46
33 42 11 00-1201	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	113.71	23.61
33 42 11 00-1202	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.00	26.76
33 42 11 00-1203	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	146.61	28.33
33 42 11 00-1204	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	178.10	34.62
33 42 11 00-1205	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	218.30	50.36
33 42 11 00-1206	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	236.28	55.08
33 42 11 00-1207		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1183)*		
33 42 11 00-1208	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.81	13.46
33 42 11 00-1209	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	102.18	17.31
33 42 11 00-1210	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	117.01	20.46
33 42 11 00-1211	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.30	23.61
33 42 11 00-1212	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.91	26.76
33 42 11 00-1213	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.87	28.33
33 42 11 00-1214	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	203.64	34.62
33 42 11 00-1215	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	246.13	50.36
33 42 11 00-1216	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	266.42	55.08
33 42 11 00-1217	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	284.49	59.02
33 42 11 00-1218	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	302.59	62.95
33 42 11 00-1219	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	321.19	66.90
33 42 11 00-1220	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.88	70.83
33 42 11 00-1221		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0532)*		
33 42 11 00-1222		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1223		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*		
33 42 11 00-1224	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	31.46	8.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*7.18*	
33 42 11 00-1225	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.91	8.97
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.58*	
33 42 11 00-1226	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	39.82	9.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.32*	
33 42 11 00-1227	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	44.63	10.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.89*	
33 42 11 00-1228	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.25	13.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.11*	
33 42 11 00-1229	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	76.24	17.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.48*	
33 42 11 00-1230		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*		
33 42 11 00-1231	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.40	8.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*7.44*	
33 42 11 00-1232	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	38.48	8.97
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.91*	
33 42 11 00-1233	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	43.84	9.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.60*	
33 42 11 00-1234	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	49.28	10.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*12.23*	
33 42 11 00-1235	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	64.05	13.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.49*	
33 42 11 00-1236	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	83.15	17.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.73*	
33 42 11 00-1237	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	95.36	20.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.50*	
33 42 11 00-1238		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*		
33 42 11 00-1239	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	45.76	8.97
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.16*	
33 42 11 00-1240	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.47	9.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1241	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	59.06	10.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.14*	
33 42 11 00-1242	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	76.25	13.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*14.06*	
33 42 11 00-1243	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	97.89	17.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.68*	
33 42 11 00-1244	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	112.56	20.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.95*	
33 42 11 00-1245	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	131.51	23.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.94*	
33 42 11 00-1246	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	147.00	26.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.50*	

33 42 11 00-1247 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*

33 42 11 00-1248	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	111.13	17.31
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.60*	
33 42 11 00-1249	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	128.00	20.46
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.98*	
33 42 11 00-1250	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	149.02	23.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.96*	
33 42 11 00-1251	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	166.80	26.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.74*	
33 42 11 00-1252	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	182.55	28.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.51*	

33 42 11 00-1253 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*

33 42 11 00-1254 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1253)*

33 42 11 00-1255	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	142.03	26.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.30*	
33 42 11 00-1256	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	155.17	28.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.19*	
33 42 11 00-1257	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	191.75	34.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*56.76*	
33 42 11 00-1258	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	233.02	50.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.85*	
33 42 11 00-1259	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	252.44	55.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*65.16*	
33 42 11 00-1260	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	269.72	59.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*69.46*	
33 42 11 00-1261	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	286.97	62.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.76*	
33 42 11 00-1262	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	304.80	66.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.06*	

33 42 11 00-1263 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1253)*

33 42 11 00-1264	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	184.57	28.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*51.36*	
33 42 11 00-1265	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	224.34	34.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*62.77*	
33 42 11 00-1266	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	268.51	50.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*67.51*	
33 42 11 00-1267	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	290.76	55.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*72.41*	
33 42 11 00-1268	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	310.95	59.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*77.35*	
33 42 11 00-1269	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	331.09	62.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*82.27*	
33 42 11 00-1270	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	351.76	66.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*87.18*	
33 42 11 00-1271	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	374.71	70.83
		For 1/2 Bituminous Coated And 40% Paved, Add	*92.13*	
33 42 11 00-1272	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	399.40	78.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*97.05*	
33 42 11 00-1273	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	425.02	86.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*102.46*	

33 42 11 00-1274 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1253)*

33 42 11 00-1275	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	301.46	50.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.07*	
33 42 11 00-1276	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	326.45	55.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.51*	
33 42 11 00-1277	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	349.34	59.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*83.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1278	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	372.13	62.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.37*	
33 42 11 00-1279	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	397.34	66.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*95.46*	
33 42 11 00-1280	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	421.17	70.83
		For 1/2 Bituminous Coated And 40% Paved, Add	*100.26*	
33 42 11 00-1281	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	448.58	78.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.70*	
33 42 11 00-1282	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	476.65	86.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.50*	
33 42 11 00-1283	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	506.96	94.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*118.46*	

33 42 11 00-1284 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*

33 42 11 00-1285 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1284)*

33 42 11 00-1286	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	271.84	50.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*66.44*	
33 42 11 00-1287	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	293.79	55.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*71.06*	
33 42 11 00-1288	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	313.49	59.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*75.64*	
33 42 11 00-1289	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	333.16	62.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*80.20*	
33 42 11 00-1290	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	353.47	66.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*84.80*	
33 42 11 00-1291	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	376.17	70.83
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.47*	
33 42 11 00-1292	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	400.61	78.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.13*	
33 42 11 00-1293	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	427.78	86.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.95*	

33 42 11 00-1294 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1284)*

33 42 11 00-1295	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	308.34	50.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.70*	
33 42 11 00-1296	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	333.22	55.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.96*	
33 42 11 00-1297	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	355.86	59.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*84.18*	
33 42 11 00-1298	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	378.58	62.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.44*	
33 42 11 00-1299	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	401.39	66.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.53*	
33 42 11 00-1300	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	427.44	70.83
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.99*	
33 42 11 00-1301	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	454.92	78.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.33*	
33 42 11 00-1302	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	485.08	86.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.72*	
33 42 11 00-1303	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	513.26	94.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*117.75*	

33 42 11 00-1304 Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0532)*

33 42 11 00-1305 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1304)*

33 42 11 00-1306 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*

33 42 11 00-1307	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	16.08	4.49
		For Bituminous Coated Pipe, Add	*1.37*	
33 42 11 00-1308	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	20.53	5.61
		For Bituminous Coated Pipe, Add	*1.85*	
33 42 11 00-1309	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	26.52	6.73
		For Bituminous Coated Pipe, Add	*2.44*	

33 42 11 00-1310 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*

33 42 11 00-1311	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	17.65	4.49
		For Bituminous Coated Pipe, Add	*1.35*	
33 42 11 00-1312	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	22.74	5.61
		For Bituminous Coated Pipe, Add	*1.85*	
33 42 11 00-1313	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	29.48	6.73
		For Bituminous Coated Pipe, Add	*2.45*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1314				2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1304)*		
33 42 11 00-1315				16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1314)*		
	33 42 11 00-1316	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	30.83	7.85
				For Bituminous Coated Pipe, Add	*2.69*	
	33 42 11 00-1317	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	35.12	8.22
				For Bituminous Coated Pipe, Add	*3.37*	
	33 42 11 00-1318	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.66	8.97
				For Bituminous Coated Pipe, Add	*4.10*	
	33 42 11 00-1319	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	45.33	9.72
				For Bituminous Coated Pipe, Add	*4.89*	
	33 42 11 00-1320	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	50.49	10.47
				For Bituminous Coated Pipe, Add	*5.55*	
33 42 11 00-1321				14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1314)*		
	33 42 11 00-1322	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	34.19	7.85
				For Bituminous Coated Pipe, Add	*2.63*	
	33 42 11 00-1323	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.40	8.22
				For Bituminous Coated Pipe, Add	*3.31*	
	33 42 11 00-1324	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	44.79	8.97
				For Bituminous Coated Pipe, Add	*4.01*	
	33 42 11 00-1325	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	51.28	9.72
				For Bituminous Coated Pipe, Add	*4.76*	
	33 42 11 00-1326	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	57.32	10.47
				For Bituminous Coated Pipe, Add	*5.41*	
	33 42 11 00-1327	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	74.78	13.46
				For Bituminous Coated Pipe, Add	*6.93*	
	33 42 11 00-1328	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	95.38	17.31
				For Bituminous Coated Pipe, Add	*8.62*	
33 42 11 00-1329				12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1314)*		
	33 42 11 00-1330	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	70.37	10.47
				For Bituminous Coated Pipe, Add	*5.14*	
	33 42 11 00-1331	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	91.03	13.46
				For Bituminous Coated Pipe, Add	*6.53*	
	33 42 11 00-1332	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	114.90	17.31
				For Bituminous Coated Pipe, Add	*8.05*	
	33 42 11 00-1333	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	132.00	20.46
				For Bituminous Coated Pipe, Add	*9.47*	
	33 42 11 00-1334	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	149.26	23.61
				For Bituminous Coated Pipe, Add	*10.72*	
	33 42 11 00-1335	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	175.30	26.76
				For Bituminous Coated Pipe, Add	*12.72*	
33 42 11 00-1336				10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1314)*		
	33 42 11 00-1337	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	135.69	17.31
				For Bituminous Coated Pipe, Add	*7.92*	
	33 42 11 00-1338	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	156.23	20.46
				For Bituminous Coated Pipe, Add	*9.29*	
	33 42 11 00-1339	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	177.02	23.61
				For Bituminous Coated Pipe, Add	*10.55*	
	33 42 11 00-1340	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	206.53	26.76
				For Bituminous Coated Pipe, Add	*12.37*	
	33 42 11 00-1341	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	226.95	28.33
				For Bituminous Coated Pipe, Add	*13.64*	
33 42 11 00-1342				3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1304)*		
33 42 11 00-1343				16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1342)*		
	33 42 11 00-1344	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.72	13.46
	33 42 11 00-1345	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	94.06	17.31
	33 42 11 00-1346	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	107.26	20.46
	33 42 11 00-1347	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	121.42	23.61
	33 42 11 00-1348	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	143.05	26.76
33 42 11 00-1349				14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1342)*		
	33 42 11 00-1350	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	82.28	13.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1351	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	106.27	17.31
33 42 11 00-1352	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	121.43	20.46
33 42 11 00-1353	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	136.89	23.61
33 42 11 00-1354	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.17	26.76
33 42 11 00-1355	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	176.18	28.33
33 42 11 00-1356	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	214.11	34.62
33 42 11 00-1357	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.93	50.36
33 42 11 00-1358	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	277.45	55.08
33 42 11 00-1359		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1342)*		
33 42 11 00-1360	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	102.26	13.46
33 42 11 00-1361	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	128.73	17.31
33 42 11 00-1362	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	148.28	20.46
33 42 11 00-1363	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	167.68	23.61
33 42 11 00-1364	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	195.73	26.76
33 42 11 00-1365	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	214.45	28.33
33 42 11 00-1366	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.08	34.62
33 42 11 00-1367	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	302.71	50.36
33 42 11 00-1368	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	326.97	55.08
33 42 11 00-1369	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	349.14	59.02
33 42 11 00-1370	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	371.25	62.95
33 42 11 00-1371	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	393.93	66.90
33 42 11 00-1372		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1342)*		
33 42 11 00-1373	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	254.71	28.33
33 42 11 00-1374	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	298.67	34.62
33 42 11 00-1375	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	349.11	50.36
33 42 11 00-1376	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	377.20	55.08
33 42 11 00-1377	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	403.13	59.02
33 42 11 00-1378	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	429.06	62.95
33 42 11 00-1379	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	455.53	66.90
33 42 11 00-1380	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	484.27	70.83
33 42 11 00-1381	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	514.75	78.70
33 42 11 00-1382		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1304)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1383		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1382)*		
33 42 11 00-1384	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.18	8.97
33 42 11 00-1385	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.06	9.72
33 42 11 00-1386	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.80	10.47
33 42 11 00-1387	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.97	11.96
33 42 11 00-1388	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.44	13.46
33 42 11 00-1389	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.81	14.95
33 42 11 00-1390		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1382)*		
33 42 11 00-1391	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	58.42	8.97
33 42 11 00-1392	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.19	9.72
33 42 11 00-1393	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.53	10.47
33 42 11 00-1394	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.89	11.96
33 42 11 00-1395	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.56	13.46
33 42 11 00-1396	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.17	14.95
33 42 11 00-1397	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.88	17.31
33 42 11 00-1398	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.31	20.46
33 42 11 00-1399	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	159.86	23.61
33 42 11 00-1400		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1382)*		
33 42 11 00-1401	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.25	13.46
33 42 11 00-1402	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.17	14.95
33 42 11 00-1403	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.30	17.31
33 42 11 00-1404	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.48	20.46
33 42 11 00-1405	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.77	23.61
33 42 11 00-1406	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.05	26.76
33 42 11 00-1407	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	298.17	28.33
33 42 11 00-1408		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1382)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1409	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.03	23.61
33 42 11 00-1410	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.67	26.76
33 42 11 00-1411	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	351.15	28.33
33 42 11 00-1412	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	408.49	34.62
33 42 11 00-1413	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	468.06	50.36
33 42 11 00-1414	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	505.71	55.08
33 42 11 00-1415	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	540.91	59.02
33 42 11 00-1416		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0532)*		
33 42 11 00-1417		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1416)*		
33 42 11 00-1418		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1419	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	36.64	8.22
		For Bituminous Coated Pipe, Add	*3.38*	
33 42 11 00-1420	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	41.11	8.97
		For Bituminous Coated Pipe, Add	*4.04*	
33 42 11 00-1421	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	46.98	9.72
		For Bituminous Coated Pipe, Add	*4.80*	
33 42 11 00-1422		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1423	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	40.93	8.22
		For Bituminous Coated Pipe, Add	*3.37*	
33 42 11 00-1424	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	45.22	8.97
		For Bituminous Coated Pipe, Add	*3.88*	
33 42 11 00-1425	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	52.93	9.72
		For Bituminous Coated Pipe, Add	*4.77*	
33 42 11 00-1426	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	59.55	10.47
		For Bituminous Coated Pipe, Add	*5.47*	
33 42 11 00-1427	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	77.01	13.46
		For Bituminous Coated Pipe, Add	*6.92*	
33 42 11 00-1428		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1429	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	72.61	10.47
		For Bituminous Coated Pipe, Add	*5.21*	
33 42 11 00-1430	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	93.29	13.46
		For Bituminous Coated Pipe, Add	*6.57*	
33 42 11 00-1431	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	118.73	17.31
		For Bituminous Coated Pipe, Add	*8.20*	
33 42 11 00-1432	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	137.05	20.46
		For Bituminous Coated Pipe, Add	*9.70*	
33 42 11 00-1433		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1434	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	139.49	17.31
		For Bituminous Coated Pipe, Add	*7.91*	
33 42 11 00-1435	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	161.31	20.46
		For Bituminous Coated Pipe, Add	*9.34*	
33 42 11 00-1436	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	187.24	23.61
		For Bituminous Coated Pipe, Add	*10.94*	
33 42 11 00-1437	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	209.89	26.76
		For Bituminous Coated Pipe, Add	*12.17*	
33 42 11 00-1438		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1416)*		
33 42 11 00-1439		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1438)*		
33 42 11 00-1440	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	164.53	26.76
33 42 11 00-1441	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	180.08	28.33
33 42 11 00-1442	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	218.93	34.62
33 42 11 00-1443		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1438)*		
33 42 11 00-1444	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	199.09	26.76
33 42 11 00-1445	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	218.35	28.33
33 42 11 00-1446	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	260.74	34.62
33 42 11 00-1447	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	307.71	50.36
33 42 11 00-1448	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	332.33	55.08
33 42 11 00-1449	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	354.85	59.02
33 42 11 00-1450		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1438)*		
33 42 11 00-1451	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	258.55	28.33
33 42 11 00-1452	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	303.15	34.62
33 42 11 00-1453	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	353.94	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1454	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	382.38	55.08
33 42 11 00-1455	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	408.66	59.02
33 42 11 00-1456	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	434.93	62.95

33 42 11 00-1457 Corrugated Steel Pipe Fittings *(33 42 11 00-0532)*

Note: Equivalent pipe-arch sizes are approximate.

33 42 11 00-1458 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1457)*

Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1459	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	66.77
33 42 11 00-1460	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	83.74
33 42 11 00-1461	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	100.70
33 42 11 00-1462	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	118.74
33 42 11 00-1463	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	144.16
33 42 11 00-1464	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	169.60
33 42 11 00-1465	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	195.04
33 42 11 00-1466	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	220.47
33 42 11 00-1467	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	287.26
33 42 11 00-1468	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	342.37
33 42 11 00-1469	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	397.50
33 42 11 00-1470	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	514.09
33 42 11 00-1471	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	579.82
33 42 11 00-1472	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	647.66
33 42 11 00-1473	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	717.62
33 42 11 00-1474	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	874.50
33 42 11 00-1475	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	953.99
33 42 11 00-1476	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,035.61
33 42 11 00-1477	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,270.93
33 42 11 00-1478	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,364.23
33 42 11 00-1479	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,458.56
33 42 11 00-1480	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,552.89
33 42 11 00-1481	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,646.17
33 42 11 00-1482	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,740.52
33 42 11 00-1483	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,839.98
33 42 11 00-1484	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,945.14
33 42 11 00-1485	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,056.27

33 42 11 00-1486 Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1457)*

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1487	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	86.92
33 42 11 00-1488	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	111.30
33 42 11 00-1489	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	135.67
33 42 11 00-1490	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	160.06
33 42 11 00-1491	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	195.04
33 42 11 00-1492	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	231.06
33 42 11 00-1493	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	267.14
33 42 11 00-1494	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	303.15
33 42 11 00-1495	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	397.50
33 42 11 00-1496	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	473.82
33 42 11 00-1497	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	551.19
33 42 11 00-1498	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	715.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1499	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	805.59	
33 42 11 00-1500	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	898.86	
33 42 11 00-1501	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	994.27	
33 42 11 00-1502	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,212.62	
33 42 11 00-1503	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,320.76	
33 42 11 00-1504	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,430.99	
33 42 11 00-1505	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,760.63	
33 42 11 00-1506	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,886.79	
33 42 11 00-1507	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,012.92	
33 42 11 00-1508	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,140.11	
33 42 11 00-1509	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,267.32	
33 42 11 00-1510	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,393.44	
33 42 11 00-1511	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,526.59	
33 42 11 00-1512	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,667.16	
33 42 11 00-1513	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,815.51	

33 42 11 00-1514 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1457)*

Note: Applied to pipe tasks.

33 42 11 00-1515	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	33.66	
33 42 11 00-1516	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	42.34	
33 42 11 00-1517	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	53.25	
33 42 11 00-1518	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	65.21	
33 42 11 00-1519	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	82.51	
33 42 11 00-1520	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	101.05	
33 42 11 00-1521	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	118.35	
33 42 11 00-1522	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	137.51	
33 42 11 00-1523	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	168.89	
33 42 11 00-1524	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	201.37	
33 42 11 00-1525	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	240.27	
33 42 11 00-1526	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	295.56	
33 42 11 00-1527	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	334.54	
33 42 11 00-1528	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	376.74	
33 42 11 00-1529	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	456.87	
33 42 11 00-1530	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	506.66	
33 42 11 00-1531	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	618.17	
33 42 11 00-1532	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	673.41	
33 42 11 00-1533	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	731.89	
33 42 11 00-1534	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	789.23	
33 42 11 00-1535	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	847.70	
33 42 11 00-1536	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	907.23	
33 42 11 00-1537	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	965.72	
33 42 11 00-1538	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,024.16	
33 42 11 00-1539	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,086.15	
33 42 11 00-1540	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,151.88	
33 42 11 00-1541	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,221.60	

33 42 11 00-1542 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1457)*

33 42 11 00-1543	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	7.82	
		For Bituminous Coated, Add	*2.27*	
33 42 11 00-1544	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	10.38	
		For Bituminous Coated, Add	*3.01*	
33 42 11 00-1545	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	13.08	
		For Bituminous Coated, Add	*3.79*	
33 42 11 00-1546	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	21.71	
		For Bituminous Coated, Add	*6.30*	
33 42 11 00-1547	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	27.38	
		For Bituminous Coated, Add	*7.94*	
33 42 11 00-1548	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	40.17	
		For Bituminous Coated, Add	*11.65*	
33 42 11 00-1549	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	47.67	
		For Bituminous Coated, Add	*13.82*	
33 42 11 00-1550	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	54.06	
		For Bituminous Coated, Add	*15.68*	
33 42 11 00-1551	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	93.55	
		For Bituminous Coated, Add	*27.13*	
33 42 11 00-1552	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	149.67	
		For Bituminous Coated, Add	*35.92*	
33 42 11 00-1553	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	175.86	
		For Bituminous Coated, Add	*42.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1554	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	197.06	
		For Bituminous Coated, Add	*47.29*	
33 42 11 00-1555	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	279.46	
		For Bituminous Coated, Add	*67.07*	
33 42 11 00-1556	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	399.71	
		For Bituminous Coated, Add	*71.95*	
33 42 11 00-1557	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	491.23	
		For Bituminous Coated, Add	*88.42*	
33 42 11 00-1558	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	631.02	
		For Bituminous Coated, Add	*88.34*	
33 42 11 00-1559	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	674.92	
		For Bituminous Coated, Add	*94.49*	
33 42 11 00-1560	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	719.06	
		For Bituminous Coated, Add	*100.67*	
33 42 11 00-1561	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	762.98	
		For Bituminous Coated, Add	*106.82*	
33 42 11 00-1562	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	807.01	
		For Bituminous Coated, Add	*112.98*	
33 42 11 00-1563	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	851.16	
		For Bituminous Coated, Add	*119.16*	
33 42 11 00-1564	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	895.10	
		For Bituminous Coated, Add	*125.31*	
33 42 11 00-1565	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	1,060.15	
		For Bituminous Coated, Add	*127.22*	
33 42 11 00-1566	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	982.92	
		For Bituminous Coated, Add	*117.95*	
33 42 11 00-1567	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	1,026.73	
		For Bituminous Coated, Add	*123.21*	
33 42 11 00-1568	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	1,070.85	
		For Bituminous Coated, Add	*128.50*	
33 42 11 00-1569	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	1,115.02	
		For Bituminous Coated, Add	*133.80*	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	204.03	39.35
		For Each LF Of Cut-Off Section, Add	*8.16*	
33 42 13 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	221.17	39.35
		For Each LF Of Cut-Off Section, Add	*8.85*	
33 42 13 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	290.01	49.19
		For Each LF Of Cut-Off Section, Add	*11.60*	
33 42 13 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	310.68	49.19
		For Each LF Of Cut-Off Section, Add	*12.43*	
33 42 13 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	331.34	49.19
		For Each LF Of Cut-Off Section, Add	*13.25*	
33 42 13 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	350.29	51.15
		For Each LF Of Cut-Off Section, Add	*14.01*	
33 42 13 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	374.45	51.15
		For Each LF Of Cut-Off Section, Add	*14.98*	
33 42 13 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	422.59	51.15
		For Each LF Of Cut-Off Section, Add	*16.90*	
33 42 13 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	456.32	59.02
		For Each LF Of Cut-Off Section, Add	*18.25*	
33 42 13 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	553.50	80.28
		For Each LF Of Cut-Off Section, Add	*22.14*	
33 42 13 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	413.30	51.15
		For Each LF Of Cut-Off Section, Add	*16.53*	
33 42 13 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	451.94	59.02
		For Each LF Of Cut-Off Section, Add	*18.08*	
33 42 13 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	483.81	59.02
		For Each LF Of Cut-Off Section, Add	*19.35*	
33 42 13 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	550.40	78.70
		For Each LF Of Cut-Off Section, Add	*22.02*	
33 42 13 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	577.87	78.70
		For Each LF Of Cut-Off Section, Add	*23.11*	
33 42 13 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	671.94	98.37
		For Each LF Of Cut-Off Section, Add	*26.88*	
33 42 13 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	599.77	78.70
		For Each LF Of Cut-Off Section, Add	*23.99*	
33 42 13 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	700.65	98.37
		For Each LF Of Cut-Off Section, Add	*28.03*	
33 42 13 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	688.05	98.37
		For Each LF Of Cut-Off Section, Add	*27.52*	
33 42 13 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	721.18	98.37
		For Each LF Of Cut-Off Section, Add	*28.85*	
33 42 13 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	795.75	118.05
		For Each LF Of Cut-Off Section, Add	*31.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	830.25	118.05
		For Each LF Of Cut-Off Section, Add	*33.21*	
33 42 13 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	864.75	118.05
		For Each LF Of Cut-Off Section, Add	*34.59*	
33 42 13 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert	899.03	118.05
		For Each LF Of Cut-Off Section, Add	*35.96*	
33 42 13 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert	779.48	137.72
		For Each LF Of Cut-Off Section, Add	*31.18*	
33 42 13 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert	988.54	137.72
		For Each LF Of Cut-Off Section, Add	*39.54*	
33 42 13 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,071.18	137.72
		For Each LF Of Cut-Off Section, Add	*42.85*	
33 42 13 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,153.80	137.72
		For Each LF Of Cut-Off Section, Add	*46.15*	
33 42 13 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert	1,440.61	157.39
		For Each LF Of Cut-Off Section, Add	*57.62*	
33 42 13 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert	1,771.13	157.39
		For Each LF Of Cut-Off Section, Add	*70.85*	

33 42 13 13-0032 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0033	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	501.17	39.35
		For Each LF Of Cut-Off Section, Add	*20.05*	
33 42 13 13-0034	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	558.78	39.35
		For Each LF Of Cut-Off Section, Add	*22.35*	
33 42 13 13-0035	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	636.05	49.19
		For Each LF Of Cut-Off Section, Add	*25.44*	
33 42 13 13-0036	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	693.66	49.19
		For Each LF Of Cut-Off Section, Add	*27.75*	
33 42 13 13-0037	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	751.27	49.19
		For Each LF Of Cut-Off Section, Add	*30.05*	
33 42 13 13-0038	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	697.60	51.15
		For Each LF Of Cut-Off Section, Add	*27.90*	
33 42 13 13-0039	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	755.21	51.15
		For Each LF Of Cut-Off Section, Add	*30.21*	
33 42 13 13-0040	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	870.44	51.15
		For Each LF Of Cut-Off Section, Add	*34.82*	
33 42 13 13-0041	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	828.57	59.02
		For Each LF Of Cut-Off Section, Add	*33.14*	
33 42 13 13-0042	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	986.27	80.28
		For Each LF Of Cut-Off Section, Add	*39.45*	
33 42 13 13-0043	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	755.21	51.15
		For Each LF Of Cut-Off Section, Add	*30.21*	
33 42 13 13-0044	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	828.57	59.02
		For Each LF Of Cut-Off Section, Add	*33.14*	
33 42 13 13-0045	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	886.18	59.02
		For Each LF Of Cut-Off Section, Add	*35.45*	
33 42 13 13-0046	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	983.12	78.70
		For Each LF Of Cut-Off Section, Add	*39.32*	
33 42 13 13-0047	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,040.73	78.70
		For Each LF Of Cut-Off Section, Add	*41.63*	
33 42 13 13-0048	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,195.30	98.37
		For Each LF Of Cut-Off Section, Add	*47.81*	
33 42 13 13-0049	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,050.16	78.70
		For Each LF Of Cut-Off Section, Add	*42.01*	
33 42 13 13-0050	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,212.64	98.37
		For Each LF Of Cut-Off Section, Add	*48.51*	
33 42 13 13-0051	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,200.10	98.37
		For Each LF Of Cut-Off Section, Add	*48.00*	
33 42 13 13-0052	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,268.51	98.37
		For Each LF Of Cut-Off Section, Add	*50.74*	
33 42 13 13-0053	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,376.28	118.05
		For Each LF Of Cut-Off Section, Add	*55.05*	
33 42 13 13-0054	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,444.69	118.05
		For Each LF Of Cut-Off Section, Add	*57.79*	
33 42 13 13-0055	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	1,513.11	118.05
		For Each LF Of Cut-Off Section, Add	*60.52*	
33 42 13 13-0056	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,581.52	118.05
		For Each LF Of Cut-Off Section, Add	*63.26*	
33 42 13 13-0057	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,597.58	137.72
		For Each LF Of Cut-Off Section, Add	*63.90*	
33 42 13 13-0058	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,675.34	137.72
		For Each LF Of Cut-Off Section, Add	*67.01*	
33 42 13 13-0059	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,830.89	137.72
		For Each LF Of Cut-Off Section, Add	*73.24*	
33 42 13 13-0060	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,986.43	137.72
		For Each LF Of Cut-Off Section, Add	*79.46*	
33 42 13 13-0061	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	2,371.44	157.39
		For Each LF Of Cut-Off Section, Add	*94.86*	
33 42 13 13-0062	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	2,959.05	157.39
		For Each LF Of Cut-Off Section, Add	*118.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23		**Headwalls and Endwalls for Stormwater Piping** *(33 42)*		
33 42 23 00-0001		Headwalls *(33 42 23)* Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 42 23 00-0002		Cast In Place Concrete Headwalls *(33 42 23 00-0001)*		
33 42 23 00-0003		Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)* Note: Sized by pipe diameter.		
33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	989.86	524.32
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,253.26	559.27
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,624.52	732.57
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,489.33	1,048.63
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,436.55	1,398.18
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,425.06	1,842.95
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,205.38	2,542.13
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,367.58	2,996.07
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,877.73	3,647.46
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,691.06	4,415.29
33 42 23 00-0014		Precast Concrete Headwalls *(33 42 23 00-0001)*		
33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	446.97	134.58
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	469.40	142.07
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	519.57	161.51
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	569.57	171.97
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	722.51	201.88
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	822.83	209.36
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	1,044.07	242.86
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	1,142.40	267.57
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	1,252.26	283.31
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	1,405.25	283.31
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	1,648.28	354.14
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	2,252.05	424.96
33 42 23 00-0027		Precast Concrete Wingwalls *(33 42 23 00-0001)*		
33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	2,923.39	1,402.40
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,159.49	1,558.21
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,552.98	1,817.92
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	3,946.47	2,077.62
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,946.47	2,077.62
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,103.86	2,181.50
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,763.08	2,233.44
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	5,999.17	2,389.26
33 42 23 00-0036		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,200.58	550.88
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	195.87	52.34
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	226.20	56.08
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	262.75	59.82
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	316.54	65.43
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	350.31	71.03
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	556.71	80.38
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	719.00	94.44
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,094.88	110.18
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,335.63	125.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,592.68	157.39
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,861.10	188.87
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	204.02	52.34
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	234.58	56.08
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	275.63	59.82
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	331.99	65.43
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	367.85	71.03
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	610.55	80.38
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	784.81	94.44
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,240.87	110.18
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,524.03	125.92
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,783.21	157.39
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,464.54	188.87
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,812.43	283.31
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,301.44	377.75
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,594.79	405.29
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,895.09	432.83
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	22.96	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	25.41	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	28.42	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	30.88	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	34.49	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	59.15	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	63.68	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	86.14	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	92.46	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	112.54	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	115.65	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	124.27	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	143.85	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	160.70	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	165.19	
33 42 26 16-0048		Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0049		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	226.20	56.08
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	262.75	59.82
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	316.53	65.43
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	350.31	71.03
33 42 26 16-0054		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	219.17	56.08
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	249.74	59.82
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	279.30	65.43
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	314.75	71.03
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	455.33	80.38
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	657.02	94.44
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,014.74	110.18
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,282.22	125.92
33 42 26 16-0063		Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	222.74	56.08
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	257.50	59.82
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	291.43	65.43
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	329.13	71.03
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	479.77	80.38
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	690.36	94.44
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,068.06	110.18
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,343.59	125.92
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,617.90	157.39
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,122.92	188.87
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,967.29	283.31
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,299.39	377.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.41	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.42	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	30.88	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	34.49	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	59.15	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	63.68	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	86.14	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	95.96	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	112.54	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	117.05	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	135.64	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	156.37	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	290.56	52.34
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	334.02	56.08
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	394.70	59.82
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	487.59	65.43
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	634.00	71.03
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	945.59	80.38
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,280.68	94.44
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,590.48	94.44
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,026.93	110.18
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,887.95	125.92
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,201.83	157.39
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,311.79	188.87
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,894.99	283.31
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,732.80	377.75
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,260.00	405.29
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,606.30	432.83
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,018.65	472.19
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,982.20	511.54
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.65	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.09	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	47.67	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	53.50	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	56.86	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	73.85	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	88.65	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	93.15	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	102.13	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	115.42	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	136.16	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	187.29	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	203.18	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	260.38	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	282.14	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	300.77	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	320.26	
33 42 26 16-0127	EA	96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	340.07	
33 42 26 16-0128		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0129		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	344.03	56.08
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	419.10	59.82
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	455.22	65.43
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	491.30	71.03
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	731.54	80.38
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,294.92	94.44
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,373.47	94.44
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,833.20	110.18
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,812.51	125.92
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,222.31	157.39
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,895.83	188.87
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,520.94	283.31
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,857.30	377.75
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,465.41	405.29
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,793.61	432.83
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,495.15	472.19
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,001.42	511.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0147		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	44.09	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.67	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	50.36	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	55.12	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	63.96	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	82.97	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	90.14	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	102.13	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	115.42	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	136.16	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	171.35	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	216.53	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	293.75	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	332.95	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	349.23	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	362.78	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	379.13	
33 42 26 16-0165		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0166		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	397.26	56.08
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	506.62	59.82
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	617.18	65.43
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	735.44	71.03
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	873.46	80.38
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,138.38	94.44
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,794.50	110.18
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)* Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	278.36	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	547.65	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	600.94	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	625.35	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	460.54	56.08
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	601.49	59.82
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	798.10	65.43
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	936.71	71.03
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,111.03	80.38
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,348.07	94.44
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,056.86	110.18
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)* Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	534.40	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	568.21	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	625.24	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	659.00	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	48.77	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	54.47	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	59.25	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	66.05	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	97.61	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	104.75	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	139.45	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	522.05	59.82
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	653.51	65.43
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	772.52	71.03
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,447.42	80.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	370.99	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	672.63	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	708.83	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,041.48	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	54.19	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	61.41	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	66.95	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	80.00	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	33.84	15.39
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	54.14	23.08
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	69.56	28.85
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	110.70	46.15
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	126.86	51.92
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	135.70	55.77
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	153.85	61.54
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	188.53	73.07
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	309.12	82.69
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	344.32	92.31
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	586.78	87.70
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	789.93	108.57
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	977.32	137.43
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,119.95	164.35
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,186.48	190.22
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,482.05	234.52
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,827.91	352.25
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,254.35	444.48
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,722.17	557.58
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,978.69	628.80
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	3,244.07	704.34
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	3,515.95	783.04
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	3,556.82	637.42
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	4,057.56	796.76
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	4,812.38	995.95
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	5,690.26	1,195.14
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	740.07	91.68
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	890.38	114.27
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,079.38	144.65
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,231.34	172.98
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,505.39	200.20
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,794.74	319.75
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,838.79	440.23
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,494.82	555.60
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,985.73	697.10
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,222.25	786.19
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,603.81	880.55
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	3,992.09	978.05
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	4,660.10	1,126.87
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	5,450.36	1,257.75
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	6,183.51	1,414.90
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	7,148.96	1,571.91
33 42 31		**Stormwater Area Drains and Inlets** *(33 42)*		
33 42 31 00-0001		Storm Drains *(33 42 31)*		
		See CSI section 33 05 61 00-0001 for manhole structures.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0002		Catch Basins And Inlet Basins *(33 42 31 00-0001)* Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003		Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,272.11	257.89
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,511.55	302.16
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,751.01	346.36
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,990.45	390.64
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,229.91	434.83
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,549.39	256.33
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,937.98	341.78
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,507.51	466.06
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,028.81	543.74
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,479.18	621.42
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,660.37	279.64
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,296.27	388.39
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,843.91	504.90
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,285.24	582.58
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,175.52	745.69
33 42 31 00-0022		Cast In Place, Catch Basin *(33 42 31 00-0002)* Note: Inside span, overall depth.		
33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,603.58	311.79
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,702.17	331.52
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,854.58	356.07
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,075.79	394.13
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,233.93	419.54
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,340.52	439.97
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,498.81	465.37
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,603.33	485.87
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,762.69	511.19
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,868.22	531.70
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,026.43	557.10
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	378.32	69.59
33 42 31 00-0036		3'-6" x 3'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,847.97	360.42
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,973.24	385.74
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,131.83	411.14
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,389.91	455.34
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,564.64	484.08
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,687.66	507.93
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,864.30	536.67
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,987.34	560.51
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,163.05	589.26
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,285.92	613.10
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,461.73	641.85
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	432.73	80.24
33 42 31 00-0049		4' x 4', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,109.57	412.31
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,241.01	438.48
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,425.20	469.48
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,720.62	519.89
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,913.78	551.97
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,054.09	579.23
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,247.23	611.31
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,387.70	638.58
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,580.84	670.66
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,721.16	697.92
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,914.30	730.08
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	489.27	91.27
33 42 31 00-0062		4'-6" x 4'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,440.61	478.10
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,593.94	505.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,799.19	540.08
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,135.97	597.41
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,351.57	633.61
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,514.39	664.91
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,729.84	701.10
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,892.67	732.49
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,108.26	768.69
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,270.03	799.99
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,486.53	836.19
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	560.85	104.55

33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,136.69	606.42
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,511.64	670.12
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,745.98	709.80
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,926.47	744.61
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,158.82	784.23
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,340.39	819.02
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,573.64	858.71
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,753.22	893.51
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,987.55	933.13
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	827.73	116.67

33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,490.84	676.25
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,038.22	765.52
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,298.78	809.63
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,505.51	849.16
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,767.00	893.59
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,974.79	933.13
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,235.36	977.56
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,442.09	1,017.10
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,702.65	1,061.53
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	712.84	132.67

33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,863.44	749.35
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,466.59	847.30
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,746.36	895.30
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,972.44	938.41
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,251.14	986.41
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,478.14	1,029.53
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,756.99	1,077.53
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,982.92	1,120.64
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,262.69	1,168.64
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	782.87	146.11

33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,252.46	825.94
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,082.55	956.90
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,391.10	1,010.03
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,646.80	1,058.27
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,955.35	1,111.32
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,211.05	1,159.63
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,519.60	1,212.68
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,775.31	1,260.92
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,084.77	1,314.06
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	885.56	164.29

33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	4,659.14	905.87
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,567.61	1,048.79
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,895.83	1,105.65
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,170.37	1,157.54
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,499.58	1,214.32
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,774.10	1,266.28
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,102.32	1,323.07
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,377.91	1,375.03
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,706.06	1,431.81
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	963.30	178.97

33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,276.66	1,016.71
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,072.43	1,144.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,419.39	1,204.92
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,714.66	1,260.54
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,062.62	1,321.05
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,357.89	1,376.67
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,704.85	1,437.17
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,000.13	1,492.79
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,348.16	1,553.30
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,043.49	194.19
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	5,736.97	1,106.19
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,595.89	1,243.75
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,962.77	1,307.92
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,277.69	1,367.26
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,644.49	1,431.43
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,957.29	1,490.77
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,326.22	1,554.93
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,641.15	1,614.28
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,001.04	1,678.43
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,125.99	209.80
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	461.96	160.80
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	651.48	241.21
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	833.06	313.57
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	993.66	370.66
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,231.29	470.36
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	1,411.18	542.72
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	99.00	36.18
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	524.14	178.90
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	735.29	265.33
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	936.34	349.75
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,112.72	408.05
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	1,388.33	522.62
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	1,589.13	603.03
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	111.56	43.42
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	677.05	211.05
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	937.78	311.97
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,189.95	412.07
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	1,481.82	514.58
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	1,754.64	613.48
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	2,020.12	713.98
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	140.05	51.00
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	807.29	234.77
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,059.29	321.61
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	1,448.05	482.42
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	1,807.26	603.03
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	2,142.16	723.63
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	2,469.52	844.23
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	170.85	60.31
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,089.96	321.61
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	1,516.20	482.42
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	1,944.83	643.23
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	2,386.77	804.03
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	2,824.29	964.84
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	3,291.86	1,125.64
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	227.41	80.40
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	1,601.38	482.42
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	2,210.31	723.63
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	2,855.57	964.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	3,560.93	1,206.04
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	4,249.27	1,447.26
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	4,926.85	1,688.47
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	339.40	120.60
33 42 31 00-0201		Precast Catch Basins Accessories *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,100.00	522.62
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	404.44	64.33
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	246.45	68.34
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	315.29	100.51
		For Each Additional Inch In Height, Add	*35.78*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	373.11	120.60
		For Each Additional Inch In Height, Add	*42.06*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	435.05	140.71
		For Each Additional Inch In Height, Add	*49.08*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	558.98	201.01
		For Each Additional Inch In Height, Add	*59.69*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	482.39	
33 42 31 00-0210		Catch Basin Risers *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	292.67	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	326.50	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	366.74	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	315.05	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	351.16	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	395.73	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	348.40	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	380.47	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	425.23	
33 42 31 00-0220		Precast Concrete Inlet Boxes *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0221		Precast Concrete Inlet Boxes *(33 42 31 00-0220)*		
33 42 31 00-0222		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)* Note: Yard inlet.		
33 42 31 00-0223		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0222)*		
33 42 31 00-0224	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	498.39	56.28
33 42 31 00-0225	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	586.81	68.34
33 42 31 00-0226	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	675.23	80.40
33 42 31 00-0227	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	764.66	92.96
33 42 31 00-0228		24" x 24" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0222)*		
33 42 31 00-0229	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	132.64	
33 42 31 00-0230	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	209.01	
33 42 31 00-0231	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	293.42	
33 42 31 00-0232	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	377.81	
33 42 31 00-0233	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	462.23	
33 42 31 00-0234	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	546.62	
33 42 31 00-0235		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0236		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0235)*		
33 42 31 00-0237	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,030.07	157.39
33 42 31 00-0238	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,161.65	181.99
33 42 31 00-0239	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,293.23	206.58
33 42 31 00-0240	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,424.94	231.24
33 42 31 00-0241	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,556.64	255.89
33 42 31 00-0242	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,688.35	280.53
33 42 31 00-0243	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,820.05	305.19
33 42 31 00-0244		22" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0235)*		
33 42 31 00-0245	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	260.43	
33 42 31 00-0246	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	408.28	
33 42 31 00-0247	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	448.21	
33 42 31 00-0248	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	570.81	
33 42 31 00-0249	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	693.41	
33 42 31 00-0250	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	809.19	
33 42 31 00-0251	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	940.76	
33 42 31 00-0252	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,072.35	
33 42 31 00-0253	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,204.06	
33 42 31 00-0254	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,335.76	
33 42 31 00-0255	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,467.47	
33 42 31 00-0256	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,599.17	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0257			30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0258			30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0257)*		
	33 42 31 00-0259	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,009.09	173.13
	33 42 31 00-0260	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,141.84	200.19
	33 42 31 00-0261	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,274.60	227.24
	33 42 31 00-0262	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,407.50	254.35
	33 42 31 00-0263	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,540.38	281.48
	33 42 31 00-0264	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,673.26	308.59
	33 42 31 00-0265	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,806.15	335.71
33 42 31 00-0266			30" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0257)*		
	33 42 31 00-0267	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	258.84	
	33 42 31 00-0268	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	401.21	
	33 42 31 00-0269	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	442.15	
	33 42 31 00-0270	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	562.51	
	33 42 31 00-0271	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	682.88	
	33 42 31 00-0272	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	802.44	
	33 42 31 00-0273	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	933.04	
	33 42 31 00-0274	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,062.85	
	33 42 31 00-0275	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,193.45	
	33 42 31 00-0276	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,323.26	
	33 42 31 00-0277	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,453.84	
	33 42 31 00-0278	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,584.44	
33 42 31 00-0279			42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0280			42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0279)*		
	33 42 31 00-0281	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,193.58	188.87
	33 42 31 00-0282	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,349.24	219.57
	33 42 31 00-0283	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,504.89	251.05
	33 42 31 00-0284	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,659.76	281.74
	33 42 31 00-0285	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,815.42	313.21
	33 42 31 00-0286	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,971.08	343.91
	33 42 31 00-0287	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,125.94	374.60
33 42 31 00-0288			42" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0279)*		
	33 42 31 00-0289	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	283.45	
	33 42 31 00-0290	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	448.85	
	33 42 31 00-0291	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	490.97	
	33 42 31 00-0292	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	626.56	
	33 42 31 00-0293	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	762.15	
	33 42 31 00-0294	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	897.74	
	33 42 31 00-0295	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,043.94	
	33 42 31 00-0296	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,190.16	
	33 42 31 00-0297	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,336.37	
	33 42 31 00-0298	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,482.58	
	33 42 31 00-0299	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,628.80	
	33 42 31 00-0300	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,775.01	
33 42 31 00-0301			42" x 48" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0279)*		
	33 42 31 00-0302	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	681.34	118.05
33 42 31 00-0303			48" x 54" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0304			48" x 54" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0303)*		
	33 42 31 00-0305	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	1,643.34	209.86
	33 42 31 00-0306	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	1,844.03	244.35
	33 42 31 00-0307	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,044.73	278.84
	33 42 31 00-0308	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,245.19	313.21
	33 42 31 00-0309	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,445.64	347.58
	33 42 31 00-0310	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,646.10	381.95
	33 42 31 00-0311	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,846.55	416.32
33 42 31 00-0312			48" x 54" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0303)*		
	33 42 31 00-0313	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	281.23	
	33 42 31 00-0314	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	433.94	
	33 42 31 00-0315	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	631.24	
	33 42 31 00-0316	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	828.54	
	33 42 31 00-0317	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,012.71	
	33 42 31 00-0318	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,210.02	
	33 42 31 00-0319	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,410.71	
	33 42 31 00-0320	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,611.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0321	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,811.87	
33 42 31 00-0322	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,012.32	
33 42 31 00-0323	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,212.78	
33 42 31 00-0324	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,413.23	
33 42 31 00-0325		48" x 54" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0303)*		
33 42 31 00-0326	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	740.08	127.88
33 42 31 00-0327		48" x 66" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0328		48" x 66" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0327)*		
33 42 31 00-0329	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	1,860.98	264.42
33 42 31 00-0330	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,084.41	308.60
33 42 31 00-0331	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,307.83	352.79
33 42 31 00-0332	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,530.77	396.72
33 42 31 00-0333	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,753.72	440.65
33 42 31 00-0334	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	2,976.65	484.59
33 42 31 00-0335	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,199.59	528.52
33 42 31 00-0336		48" x 66" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0327)*		
33 42 31 00-0337	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	311.35	
33 42 31 00-0338	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	468.46	
33 42 31 00-0339	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	691.67	
33 42 31 00-0340	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	914.88	
33 42 31 00-0341	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,116.05	
33 42 31 00-0342	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,339.28	
33 42 31 00-0343	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,562.71	
33 42 31 00-0344	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,786.13	
33 42 31 00-0345	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,009.07	
33 42 31 00-0346	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,232.02	
33 42 31 00-0347	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,454.95	
33 42 31 00-0348	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,677.89	
33 42 31 00-0349		48" x 66" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0327)*		
33 42 31 00-0350	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	823.50	143.23
33 42 31 00-0351		42" x 102" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0221)*		
33 42 31 00-0352		42" x 102" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0351)*		
33 42 31 00-0353	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,433.36	356.50
33 42 31 00-0354	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,723.11	415.52
33 42 31 00-0355	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,012.86	473.76
33 42 31 00-0356	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,301.83	532.78
33 42 31 00-0357	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,591.58	591.01
33 42 31 00-0358	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,880.54	649.26
33 42 31 00-0359	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,171.08	708.27
33 42 31 00-0360		42" x 102" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0351)*		
33 42 31 00-0361	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	426.68	
33 42 31 00-0362	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	634.59	
33 42 31 00-0363	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	918.83	
33 42 31 00-0364	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,203.07	
33 42 31 00-0365	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,464.49	
33 42 31 00-0366	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,748.72	
33 42 31 00-0367	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,038.47	
33 42 31 00-0368	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,328.22	
33 42 31 00-0369	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,617.19	
33 42 31 00-0370	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,906.94	
33 42 31 00-0371	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,195.90	
33 42 31 00-0372	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,485.65	
33 42 31 00-0373		42" x 102" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0351)*		
33 42 31 00-0374	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,108.44	157.39
33 42 31 00-0375		Frames And Grates For Inlets *(33 42 31 00-0220)*		
33 42 31 00-0376		Inlet Frames And Grates *(33 42 31 00-0375)*		
33 42 31 00-0377	EA	24" x 24", Heavy Duty Inlet Grate Note: For type A, B, D, or E inlets.	234.03	37.38
33 42 31 00-0378	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	285.23	37.38
33 42 31 00-0379	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	285.23	37.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0380	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	285.23	37.38
33 42 31 00-0381	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	313.13	37.38
33 42 31 00-0382	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	262.88	74.77
33 42 31 00-0383	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	319.81	74.77
33 42 31 00-0384	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	384.44	93.46
33 42 31 00-0385	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	338.03	93.46
33 42 31 00-0386	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	343.43	93.46
33 42 31 00-0387	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	348.82	93.46
33 42 31 00-0388	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	354.22	93.46
33 42 31 00-0389	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	354.22	93.46
33 42 31 00-0390	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	359.62	93.46
33 42 31 00-0391	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	365.01	93.46
33 42 31 00-0392	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	521.51	93.46
33 42 31 00-0393	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	532.30	93.46
33 42 31 00-0394	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	543.10	93.46
33 42 31 00-0395	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	362.86	93.46
33 42 31 00-0396	EA	6" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J6)	354.22	93.46
33 42 31 00-0397	EA	8" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J8)	354.22	93.46
33 42 31 00-0398	EA	6" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P6)	348.82	93.46
33 42 31 00-0399	EA	8" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P8)	354.22	93.46
33 42 31 00-0400	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	338.03	93.46
33 42 31 00-0401	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	338.03	93.46
33 42 31 00-0402	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	675.00	93.46
33 42 31 00-0403	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	675.00	93.46
33 42 31 00-0404	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	340.53	102.81
33 42 31 00-0405	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	403.13	102.81
33 42 31 00-0406	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	403.13	102.81
33 42 31 00-0407	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	415.00	102.81
33 42 31 00-0408	EA	Type B Inlet Frame (US Foundry 5216 FRM)	473.29	102.81
33 42 31 00-0409	EA	Type D Inlet Frame (US Foundry 2999 FRM)	437.67	102.81
33 42 31 00-0410	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	489.38	102.81
33 42 31 00-0411	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	466.68	102.81
33 42 31 00-0412	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	691.94	149.55
33 42 31 00-0413	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	1,049.19	149.55
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	696.35	149.55
33 42 31 00-0415	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,077.72	149.55
33 42 31 00-0416	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	1,160.96	224.31
33 42 31 00-0417	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084)	1,222.44	299.08
33 42 31 00-0418	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	1,294.31	299.08
33 42 31 00-0419	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	1,294.31	299.08
33 42 31 00-0420	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	1,150.76	299.08
33 42 31 00-0421	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	1,150.76	299.08
33 42 31 00-0422	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	1,349.56	299.08

33 42 31 00-0423 Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*

33 42 31 00-0424 Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0425	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,596.31	
33 42 31 00-0426	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,852.89	
33 42 31 00-0427	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,090.48	
33 42 31 00-0428	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,309.08	
33 42 31 00-0429	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,508.68	
33 42 31 00-0430	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,689.29	
33 42 31 00-0431	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	3,659.37	
33 42 31 00-0432	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,263.94	
33 42 31 00-0433	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,820.95	
33 42 31 00-0434	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,332.03	
33 42 31 00-0435	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,820.76	
33 42 31 00-0436	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,268.39	
33 42 31 00-0437	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,674.94	

33 42 31 00-0438 Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0439	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,173.69	
33 42 31 00-0440	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,412.92	
33 42 31 00-0441	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,633.17	
33 42 31 00-0442	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,834.42	
33 42 31 00-0443	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,015.87	
33 42 31 00-0444	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,179.12	
33 42 31 00-0445	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,120.39	
33 42 31 00-0446	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,710.56	
33 42 31 00-0447	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,253.20	
33 42 31 00-0448	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,749.07	
33 42 31 00-0449	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,225.18	
33 42 31 00-0450	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,660.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0451	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,054.07	
33 42 31 00-0452		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0423)*		
33 42 31 00-0453	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,705.79	
33 42 31 00-0454	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,929.21	
33 42 31 00-0455	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,132.83	
33 42 31 00-0456	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,318.27	
33 42 31 00-0457	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,483.90	
33 42 31 00-0458	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,630.55	
33 42 31 00-0459	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,581.40	
33 42 31 00-0460	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,156.39	
33 42 31 00-0461	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,685.43	
33 42 31 00-0462	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,166.93	
33 42 31 00-0463	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,629.58	
33 42 31 00-0464	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,051.94	
33 42 31 00-0465	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,432.41	
33 42 31 00-0466		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0423)*		
33 42 31 00-0467	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,464.32	
33 42 31 00-0468	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,664.25	
33 42 31 00-0469	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,845.19	
33 42 31 00-0470	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,007.14	
33 42 31 00-0471	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,150.09	
33 42 31 00-0472	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,274.05	
33 42 31 00-0473	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,234.52	
33 42 31 00-0474	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,789.06	
33 42 31 00-0475	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,296.85	
33 42 31 00-0476	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,757.88	
33 42 31 00-0477	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,203.37	
33 42 31 00-0478	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,606.96	
33 42 31 00-0479	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,969.44	
33 42 31 00-0480		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0423)*		
33 42 31 00-0481	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,004.02	
33 42 31 00-0482	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,157.42	
33 42 31 00-0483	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,291.83	
33 42 31 00-0484	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,407.24	
33 42 31 00-0485	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,502.85	
33 42 31 00-0486	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,580.29	
33 42 31 00-0487	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,511.93	
33 42 31 00-0488	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,026.11	
33 42 31 00-0489	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,493.55	
33 42 31 00-0490	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,914.23	
33 42 31 00-0491	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,324.22	
33 42 31 00-0492	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,692.31	
33 42 31 00-0493	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,019.28	
33 42 31 00-0494		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0423)*		
33 42 31 00-0495	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,637.86	
33 42 31 00-0496	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,901.76	
33 42 31 00-0497	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,143.79	
33 42 31 00-0498	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,363.94	
33 42 31 00-0499	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,563.00	
33 42 31 00-0500	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,741.00	
33 42 31 00-0501	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,763.90	
33 42 31 00-0502	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,421.09	
33 42 31 00-0503	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,025.69	
33 42 31 00-0504	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,576.89	
33 42 31 00-0505	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,107.09	
33 42 31 00-0506	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,591.04	
33 42 31 00-0507	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,027.92	
33 42 31 00-0508		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0423)*		
33 42 31 00-0509	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,215.25	
33 42 31 00-0510	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,461.00	
33 42 31 00-0511	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,685.68	
33 42 31 00-0512	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,889.27	
33 42 31 00-0513	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,070.99	
33 42 31 00-0514	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,230.83	
33 42 31 00-0515	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,253.73	
33 42 31 00-0516	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,895.18	
33 42 31 00-0517	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,484.04	
33 42 31 00-0518	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,020.30	
33 42 31 00-0519	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,536.63	
33 42 31 00-0520	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,006.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0521	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,430.50	

33 42 31 00-0522 Type G-1 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0523	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,075.53	
33 42 31 00-0524	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,284.74	
33 42 31 00-0525	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,477.89	
33 42 31 00-0526	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,656.57	
33 42 31 00-0527	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,820.80	
33 42 31 00-0528	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,968.94	

33 42 31 00-0529 Type G-2 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0530	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,483.09	
33 42 31 00-0531	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,717.89	
33 42 31 00-0532	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,935.35	
33 42 31 00-0533	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,135.44	
33 42 31 00-0534	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,318.19	
33 42 31 00-0535	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,482.79	
33 42 31 00-0536	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,361.62	
33 42 31 00-0537	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,919.34	
33 42 31 00-0538	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,434.10	
33 42 31 00-0539	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,905.91	
33 42 31 00-0540	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,357.18	
33 42 31 00-0541	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,770.72	
33 42 31 00-0542	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,145.71	

33 42 31 00-0543 Type G-3 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0544	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,166.10	
33 42 31 00-0545	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,372.25	
33 42 31 00-0546	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,563.12	
33 42 31 00-0547	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,739.55	
33 42 31 00-0548	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,899.90	
33 42 31 00-0549	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,045.78	

33 42 31 00-0550 Type G-4_24 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0551	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,437.81	
33 42 31 00-0552	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,674.14	
33 42 31 00-0553	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,893.12	
33 42 31 00-0554	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,093.96	
33 42 31 00-0555	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,278.24	
33 42 31 00-0556	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,444.38	
33 42 31 00-0557	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,342.41	
33 42 31 00-0558	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,901.29	
33 42 31 00-0559	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,416.43	
33 42 31 00-0560	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,888.61	
33 42 31 00-0561	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,340.17	
33 42 31 00-0562	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,753.99	
33 42 31 00-0563	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,130.08	

33 42 31 00-0564 Type G-4_18 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0565	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,483.09	
33 42 31 00-0566	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,717.89	
33 42 31 00-0567	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,935.35	
33 42 31 00-0568	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,135.44	
33 42 31 00-0569	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,318.19	
33 42 31 00-0570	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,482.79	
33 42 31 00-0571	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,361.62	
33 42 31 00-0572	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,919.34	
33 42 31 00-0573	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,434.10	
33 42 31 00-0574	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,905.91	
33 42 31 00-0575	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,357.18	
33 42 31 00-0576	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,770.72	
33 42 31 00-0577	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,145.71	

33 42 31 00-0578 Type G-5 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0579	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,154.78	
33 42 31 00-0580	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,361.10	
33 42 31 00-0581	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,552.97	
33 42 31 00-0582	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,728.78	
33 42 31 00-0583	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,890.11	
33 42 31 00-0584	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,036.18	

33 42 31 00-0585 Type G-6 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*

33 42 31 00-0586	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,177.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0587	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,383.39	
33 42 31 00-0588	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,574.08	
33 42 31 00-0589	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,749.51	
33 42 31 00-0590	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,909.69	
33 42 31 00-0591	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,055.39	
33 42 31 00-0592		Type GT1 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0593	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,969.91	
33 42 31 00-0594	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,292.01	
33 42 31 00-0595	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,610.66	
33 42 31 00-0596	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,865.13	
33 42 31 00-0597	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,115.35	
33 42 31 00-0598	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,342.41	
33 42 31 00-0599		Type GT2 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0600	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,388.79	
33 42 31 00-0601	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,739.32	
33 42 31 00-0602	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,062.94	
33 42 31 00-0603	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,360.43	
33 42 31 00-0604	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,631.01	
33 42 31 00-0605	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,875.47	
33 42 31 00-0606	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,186.50	
33 42 31 00-0607	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,008.68	
33 42 31 00-0608	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,766.45	
33 42 31 00-0609	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,460.58	
33 42 31 00-0610	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,125.50	
33 42 31 00-0611	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,733.71	
33 42 31 00-0612	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,285.25	
33 42 31 00-0613		Type GT3 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0614	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,958.59	
33 42 31 00-0615	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,280.87	
33 42 31 00-0616	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,579.99	
33 42 31 00-0617	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,855.17	
33 42 31 00-0618	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,105.57	
33 42 31 00-0619	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,332.81	
33 42 31 00-0620		Type GT4 Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0621	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,468.05	
33 42 31 00-0622	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,815.68	
33 42 31 00-0623	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,137.22	
33 42 31 00-0624	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,431.82	
33 42 31 00-0625	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,700.32	
33 42 31 00-0626	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,942.70	
33 42 31 00-0627	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,196.10	
33 42 31 00-0628	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,018.10	
33 42 31 00-0629	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,775.68	
33 42 31 00-0630	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,468.84	
33 42 31 00-0631	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,133.60	
33 42 31 00-0632	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,741.68	
33 42 31 00-0633	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,293.06	
33 42 31 00-0634		Type GO Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0635	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,403.84	
33 42 31 00-0636	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,630.38	
33 42 31 00-0637	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,839.95	
33 42 31 00-0638	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,032.53	
33 42 31 00-0639	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,208.13	
33 42 31 00-0640	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,367.55	
33 42 31 00-0641	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,255.97	
33 42 31 00-0642	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,797.22	
33 42 31 00-0643	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,295.51	
33 42 31 00-0644	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,752.47	
33 42 31 00-0645	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,190.56	
33 42 31 00-0646	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,590.76	
33 42 31 00-0647	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,954.65	
33 42 31 00-0648		Type GDO Concrete Drainage Inlet Structure *(33 42 31 00-0423)*		
33 42 31 00-0649	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,834.06	
33 42 31 00-0650	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,131.80	
33 42 31 00-0651	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,407.33	
33 42 31 00-0652	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,661.45	
33 42 31 00-0653	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,892.59	
33 42 31 00-0654	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,102.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0655	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,187.62	
33 42 31 00-0656	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,885.14	
33 42 31 00-0657	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,528.36	
33 42 31 00-0658	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,118.14	
33 42 31 00-0659	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,682.58	
33 42 31 00-0660	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,199.26	
33 42 31 00-0661	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,668.18	
33 42 31 00-0662		Catch Basin Frames And Covers *(33 42 31 00-0001)*		
33 42 31 00-0663		Cast Iron Frames And Covers *(33 42 31 00-0662)*		
33 42 31 00-0664	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	272.75	80.40
33 42 31 00-0665	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	330.84	90.86
33 42 31 00-0666	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	362.36	94.07
33 42 31 00-0667	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	403.55	109.35
33 42 31 00-0668	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	457.21	124.62
33 42 31 00-0669	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	671.21	130.26
33 42 31 00-0670	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	385.80	98.89
33 42 31 00-0671	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	484.93	114.17
33 42 31 00-0672	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	536.55	119.00
33 42 31 00-0673	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	514.75	119.00
33 42 31 00-0674	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	533.17	123.82
33 42 31 00-0675	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	567.56	128.64
33 42 31 00-0676	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	663.16	138.29
33 42 31 00-0677		Area Yard Drain *(33 42 31 00-0001)*		
33 42 31 00-0678		Ductile Iron Grates *(33 42 31 00-0677)*		
		Note: Not for traffic loading.		
33 42 31 00-0679	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	100.18	28.85
33 42 31 00-0680	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	119.66	30.77
33 42 31 00-0681	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	255.72	38.46
33 42 31 00-0682	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	305.68	46.15

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001		Curb Inlet Frames And Covers *(33 42 33)*		
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*		
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	462.22	94.07
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	496.99	109.35
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	511.27	109.35
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	560.55	128.64
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	562.06	137.49

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001		Modular Trench Drains *(33 42 36)*		
		See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002		Modular Trench Drains *(33 42 36 00-0001)*		
		Note: Excludes grates. See CSI section 33 42 36 00-0110 for grates.		
33 42 36 00-0003		6" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0004		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0005		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0006	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	76.93	12.87
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*29.64*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*59.29*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*94.86*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*23.72*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*11.86*	
33 42 36 00-0007		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0008	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	37.42	
33 42 36 00-0009	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.46	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.46	
33 42 36 00-0011		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0012	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.68	
33 42 36 00-0013	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.68	
33 42 36 00-0014	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	277.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0015	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	514.52	
33 42 36 00-0016	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 42 36 00-0017		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0018		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*		
33 42 36 00-0019	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	104.79	12.87
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	
33 42 36 00-0020		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*		
33 42 36 00-0021	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	39.80	
33 42 36 00-0022	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.84	
33 42 36 00-0023	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.84	
33 42 36 00-0024		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0017)*		
33 42 36 00-0025	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.68	
33 42 36 00-0026	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.68	
33 42 36 00-0027	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	277.36	
33 42 36 00-0028	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	514.52	
33 42 36 00-0029	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0030		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0031		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0030)*		
33 42 36 00-0032	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	130.88	12.87
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	
33 42 36 00-0033		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0030)*		
33 42 36 00-0034	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	58.77	
33 42 36 00-0035	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.81	
33 42 36 00-0036	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.81	
33 42 36 00-0037		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0030)*		
33 42 36 00-0038	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.68	
33 42 36 00-0039	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.68	
33 42 36 00-0040	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	277.36	
33 42 36 00-0041	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	514.52	
33 42 36 00-0042	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 42 36 00-0043		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0044		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0043)*		
33 42 36 00-0045	LF	6" Wide, Polymer Concrete, Modular Trench Drain	253.20	
33 42 36 00-0046		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0043)*		
33 42 36 00-0047	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	101.97	
33 42 36 00-0048	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	125.51	
33 42 36 00-0049	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	44.40	
33 42 36 00-0050		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0051		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0052		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	136.16	17.69
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0054		Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	70.07	
33 42 36 00-0056	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.78	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.78	
33 42 36 00-0058		Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0059	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	105.43	
33 42 36 00-0060	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	135.07	
33 42 36 00-0061	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	536.16	
33 42 36 00-0062	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,010.48	
33 42 36 00-0063	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 42 36 00-0064		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0065		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0064)*		
33 42 36 00-0066	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	165.81	17.69
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0067		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0064)*		
33 42 36 00-0068	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	72.44	
33 42 36 00-0069	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.15	
33 42 36 00-0070	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.15	
33 42 36 00-0071		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0064)*		
33 42 36 00-0072	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.43	
33 42 36 00-0073	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	135.07	
33 42 36 00-0074	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	536.16	
33 42 36 00-0075	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,010.48	
33 42 36 00-0076	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	118.58	
33 42 36 00-0077		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0078		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0079	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	225.10	17.69
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 42 36 00-0080		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0081	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	161.37	
33 42 36 00-0082	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.08	
33 42 36 00-0083	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.08	
33 42 36 00-0084		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0077)*		
33 42 36 00-0085	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	105.43	
33 42 36 00-0086	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	135.07	
33 42 36 00-0087	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	536.16	
33 42 36 00-0088	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,010.48	
33 42 36 00-0089	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	118.58	
33 42 36 00-0090		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0050)*		
33 42 36 00-0091		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0090)*		
33 42 36 00-0092	LF	12" Wide, Polymer Concrete, Modular Trench Drain	339.56	
33 42 36 00-0093		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0090)*		
33 42 36 00-0094	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	171.79	
33 42 36 00-0095	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	294.61	
33 42 36 00-0096	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	75.05	
33 42 36 00-0097		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0098		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0097)*		
33 42 36 00-0099		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0100	LF	23" Wide, High Density Polyethylene, Modular Trench Drain	189.46	24.12
		For Acid Resistant Coated Frame, Add	*46.25*	
		For Galvanized Frame Assembly, Add	*46.25*	
		For Type 304 Stainless Steel Top Frame, Add	*284.59*	
33 42 36 00-0101		Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	199.34	
33 42 36 00-0103	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	308.62	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	308.62	
33 42 36 00-0105		Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0106	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	231.63	
33 42 36 00-0107	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,049.14	
33 42 36 00-0108	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,997.78	
33 42 36 00-0109	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 42 36 00-0110		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0111		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0112	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.94	2.42
33 42 36 00-0113	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.99	2.42
33 42 36 00-0114	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.48	2.42
33 42 36 00-0115	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	47.89	2.42
33 42 36 00-0116	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	51.45	2.42
33 42 36 00-0117	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	52.04	2.42
33 42 36 00-0118	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	52.04	2.42
33 42 36 00-0119	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.45	2.42
33 42 36 00-0120	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	45.52	2.42
33 42 36 00-0121	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.52	2.42
33 42 36 00-0122	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	48.25	2.42
33 42 36 00-0123	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	48.25	2.42
33 42 36 00-0124	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.12	2.42
33 42 36 00-0125	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	62.12	2.42
33 42 36 00-0126	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	111.93	2.42
33 42 36 00-0127	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.93	2.42
33 42 36 00-0128	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	307.58	2.42
33 42 36 00-0129	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	43.15	2.42
33 42 36 00-0130	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	90.58	2.42
33 42 36 00-0131		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0132	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	164.51	2.61
33 42 36 00-0133	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.40	2.61
33 42 36 00-0134	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	137.24	2.61
33 42 36 00-0135	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	144.06	2.61
33 42 36 00-0136	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.79	2.61
33 42 36 00-0137	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	241.89	2.61
33 42 36 00-0138	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.89	2.61
33 42 36 00-0139	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.99	2.61
33 42 36 00-0140	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	307.99	2.61
33 42 36 00-0141	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	392.48	2.61
33 42 36 00-0142	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.48	2.61
33 42 36 00-0143	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.62	2.61
33 42 36 00-0144	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	177.26	2.61
33 42 36 00-0145		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0110)*		
33 42 36 00-0146	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.58	2.81
33 42 36 00-0147	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	218.26	2.81
33 42 36 00-0148	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	336.84	2.81
33 42 36 00-0149	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	250.28	2.81

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*
Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,659.81	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	13,792.77	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	16,089.04	
		For Interior Polyurethane Coating, Add	*1,340.10*	

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	16,937.90	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	19,158.55	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	22,939.51	
		For Interior Polyurethane Coating, Add	*1,340.10*	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	26,362.61	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	34,148.20	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	659.65	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	891.12	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	516.21	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	388.41	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	148.77	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,175.39	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,350.79	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,526.26	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	421.28	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	489.44	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	978.88	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,107.36	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	581.03	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	749.25	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,023.97	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,820.63	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,325.47	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,904.86	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,648.27	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	710.40	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	865.89	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,360.08	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	677.38	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	822.23	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	975.60	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	57.51	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	64.97	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,685.16	505.46
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,910.24	505.46
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,706.00	505.46
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,994.64	505.46
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,942.54	505.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,133.23	505.46
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,991.52	505.46
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,279.12	505.46
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,264.09	674.08
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,504.80	674.08
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,327.65	674.08
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,673.61	674.08
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,872.64	674.08
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,113.35	674.08
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,923.70	674.08
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,270.70	674.08

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	15.63
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	29.18
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	238.45
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	284.30

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	330.32
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	302.42
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	283.23
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	264.60
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	153.88
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	134.80
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	124.00
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	113.32

33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*

33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	195.32
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	177.44
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	165.51
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	154.68
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	121.69
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	107.48
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	99.04
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	91.53

33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*

33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	546.20
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	506.09
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	475.20
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	447.37
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	465.03
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	428.97
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	401.94
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	377.78

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	341.95	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	313.48	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	293.74	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	274.57	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	153.88	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	132.60	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	124.00	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	113.32	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	570.00	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	527.30	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	493.82	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	465.48	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	701.42	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	652.14	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	612.42	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	578.15	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	42.83	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	55.10	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	71.11	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	89.91	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	388.10	
33 46 53		**Stormwater Leaching Pits** *(33 46)*		
33 46 53 00-0001		Drainage Wells *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	21.93	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	26.47	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	34.83	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

33 52 16 13-0001		Gas Distribution Lines *(33 52 16 13)* Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission And Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001		Electrical Handholes And Pull Boxes *(33 71 19)*		
33 71 19 00-0002		Electrical Pull Boxes *(33 71 19 00-0001)* See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 00-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,230.75	
33 71 19 00-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,446.75	
33 71 19 00-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,650.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,435.96	
33 71 19 00-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,568.84	
33 71 19 00-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,747.80	
33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,151.04	
33 71 19 00-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	1,320.26	
33 71 19 00-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	726.04	
33 71 19 00-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	841.03	
33 71 19 00-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	1,086.62	
33 71 19 00-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	644.88	
33 71 19 00-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	683.28	
33 71 19 00-0016	EA	No. 5 Electric Precast Concrete Pull Boxes With Traffic Rated Lid	979.35	
		For 12" Extension, Add	*91.70*	
		For Traffic Rated Lid, Add	*64.10*	
33 71 19 00-0017	EA	No. 6 Electric Precast Concrete Pull Boxes With Traffic Rated Lid	1,061.57	
		For 12" Extension, Add	*112.26*	
		For Traffic Rated Lid, Add	*88.77*	

33 71 19 00-0018 Electrical Pull Boxes (CALTRANS And SDG&E) *(33 71 19 00-0001)*

33 71 19 00-0019	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	90.84	
33 71 19 00-0020	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	31.21	
33 71 19 00-0021	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	50.31	
33 71 19 00-0022	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	95.13	
33 71 19 00-0023	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	141.61	
		For Galvanized Steel Cover, Add	*22.50*	
33 71 19 00-0024	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	43.16	
33 71 19 00-0025	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	43.16	
33 71 19 00-0026	EA	Body, CALTRANS 5 Precast Concrete Pull Box	131.74	
33 71 19 00-0027	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	40.01	
33 71 19 00-0028	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	59.11	
33 71 19 00-0029	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	184.51	
		For Galvanized Steel Cover, Add	*41.25*	
33 71 19 00-0030	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	56.91	
33 71 19 00-0031	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	53.89	
33 71 19 00-0032	EA	Body, CALTRANS 6 Precast Concrete Pull Box	140.54	
33 71 19 00-0033	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	51.83	
33 71 19 00-0034	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	70.93	
33 71 19 00-0035	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	249.41	
		For Galvanized Steel Cover, Add	*57.75*	
33 71 19 00-0036	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	65.71	
33 71 19 00-0037	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	62.41	
33 71 19 00-0038	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	82.21	
33 71 19 00-0039	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	171.42	
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	219.71	
33 71 19 00-0041	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	76.71	
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	71.21	
33 71 19 00-0043	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	228.54	
33 71 19 00-0044	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	313.21	
33 71 19 00-0045	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	89.91	
33 71 19 00-0046	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	87.71	
33 71 19 00-0047	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	308.84	
33 71 19 00-0048	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	434.21	
33 71 19 00-0049	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	144.91	
33 71 19 00-0050	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	115.21	
33 71 19 00-0051	EA	24" x 36" Handhole (SDG&E 3313K/T)	151.55	
33 71 19 00-0052	EA	24" x 36" Traffic Cover (SDG&E 3313CSTG)	966.10	

33 71 19 00-0053 Precast Concrete Box Extensions *(33 71 19 00-0001)*

33 71 19 00-0054	EA	14" x 20" x 12", Precast Concrete Extension	137.91	
33 71 19 00-0055	EA	18" x 28" x 12", Precast Concrete Extension	173.41	
33 71 19 00-0056	EA	24" x 36" x 12", Precast Concrete Extension	227.55	
33 71 19 00-0057	EA	30" x 48" x 12", Precast Concrete Extension	284.99	
33 71 19 00-0058	EA	36" x 60" x 12", Precast Concrete Extension	441.60	
33 71 19 00-0059	EA	36" x 72" x 12", Precast Concrete Extension	581.08	
33 71 19 00-0060	EA	48" x 48" x 12", Precast Concrete Extension	647.80	
33 71 19 00-0061	EA	48" x 60" x 12", Precast Concrete Extension	793.16	

33 71 19 00-0062 Electrical Property Line Boxes *(33 71 19)*

33 71 19 00-0063	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	2,082.26	311.38
33 71 19 00-0064	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	2,403.42	322.91
33 71 19 00-0065	EA	6' x 4' x 5' Deep Property Line Box	2,675.44	392.10
33 71 19 00-0066	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	4,072.31	576.62

33 71 19 00-0067 Underground Electrical Concrete Markers *(33 71 19)*

33 71 19 00-0068	EA	36" x 6" x 6", Underground Electric Concrete Marker	264.61	

33 71 19 00-0069 Underground Cable Protection Slab And Marking *(33 71 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0070	EA	24" x 12", 2" Concrete, Underground Cable Protection	3.81	

33 71 19 00-0071 Manhole Accessories *(33 71 19)*

33 71 19 00-0072	EA	6" Precast Grade Ring Riser Casting	329.17	
33 71 19 00-0073	EA	12" Precast Grade Ring Riser Casting	356.51	
33 71 19 00-0074	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D	1,234.49	
33 71 19 00-0075	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,604.47	
33 71 19 00-0076	EA	Cast Iron Adjusting Ring NEENAH #R-1979	550.06	
33 71 19 00-0077	EA	Cast Iron Frame And Cover NEENAH #R-1640-B	687.81	

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation And Maintenance Of Transportation *(34)*

34 01 23 Operation And Maintenance Of Railways *(34 01)*

34 01 23 33 Track Realignment *(34 01 23)*

34 01 23 33-0001 Realign Railroad Track *(34 01 23 33)*

34 01 23 33-0002	LF	Remove Track Rails and Ties And Re-Install Including New Bolts And Spikes	74.50
34 01 23 33-0003	EA	Remove Railroad Track Turnouts And Re-install Including New Bolts And Spikes	3,664.72

34 01 43 Operation And Maintenance Of Bridges *(34 01)*

34 01 43 00-0001 Repair Of Bridge Posts *(34 01 43)*

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	27.76
34 01 43 00-0003	EA	Replace Concrete Post, 20" x 20" Square, 36" To 42" High	1,502.01
		Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	
34 01 43 00-0004	EA	Repair Bearing Pad	539.69

34 01 43 00-0005 Repair Of Bridge Rails *(34 01 43)*

34 01 43 00-0006	EA	Repair Concrete Rail Supports	283.59
34 01 43 00-0007	LF	Repair Guardrail	106.35
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	177.25
34 01 43 00-0009	LF	Repair Bridge Rail	70.90
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	37.89
34 01 43 00-0011	LF	Replace Metal Rail, 1-1/2" Galvanized	40.76
34 01 43 00-0012	LF	Replace Metal Rail, 2-1/2" Galvanized	52.44
34 01 43 00-0013	LF	Replace Metal Rail, 3" Galvanized	58.53

34 01 43 00-0014 Repair Of Bridge *(34 01 43)*

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	18.64

34 05 Common Work Results For Transportation *(34)*

34 05 43 Common Work Results For Bridges *(34 05)*

34 05 43 00-0001 Mobilize Bridge Crew *(34 05 43)*
Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	964.43

34 05 43 00-0003 Bridge And Structures Concrete Repair *(34 05 43)*
Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Patch Decks Or Floors *(34 05 43 00-0003)*
Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Patch Up To 16 SF Of Decks Or Floors, Portland Cement Based Repair Material	1,664.12
34 05 43 00-0006	SF	Patch >16 SF Decks Or Floors, Portland Cement Based Repair Material	69.65
34 05 43 00-0007	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Concrete Repair Material	1,703.88
34 05 43 00-0008	SF	Patch >16 SF Decks Or Floors, Rapid Set Concrete Repair Material	72.13
34 05 43 00-0009	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	1,695.09
34 05 43 00-0010	SF	Patch >16 SF Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	71.58
34 05 43 00-0011	EA	Patch Up To 16 SF Of Decks Or Floors, SSI Flex Patch (Other Than Specified)	2,369.02
		For Owner Furnished Material, Deduct	*-842.16*
34 05 43 00-0012	SF	Patch >16 SF Decks Or Floors, SSI Flex Patch (Other Than Specified)	113.71
		For Owner Furnished Material, Deduct	*-52.64*

34 05 43 00-0013 Patch Verticals Or Overheads *(34 05 43 00-0003)*
Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Patch Up To 16 SF Of Verticals Or Overheads, Portland Cement Based Repair Material	1,953.36
34 05 43 00-0015	SF	Patch >16 SF Verticals Or Overheads, Portland Cement Based Repair Material	83.92
34 05 43 00-0016	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Concrete Repair Material	1,993.12
34 05 43 00-0017	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Concrete Repair Material	86.41
34 05 43 00-0018	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate	1,984.32
34 05 43 00-0019	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate	85.86
34 05 43 00-0020	EA	Patch Up To 16 SF Of Verticals Or Overheads, SSI Flex Patch (Other Than Specified)	2,674.39
		For Owner Furnished Material, Deduct	*-842.16*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0021	SF	Patch >16 SF Verticals Or Overheads, SSI Flex Patch (Other Than Specified)	127.98	
		For Owner Furnished Material, Deduct	*-51.63*	

34 05 43 00-0022 Patch Pier Caps And Pedestals *(34 05 43 00-0003)*

Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0023	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Portland Cement Based Repair Material	2,258.74	
34 05 43 00-0024	SF	Patch >16 SF Pier Caps And Pedestals, Portland Cement Based Repair Material	95.36	
34 05 43 00-0025	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Concrete Repair Material	2,298.50	
34 05 43 00-0026	SF	Patch >16 SF Pier Caps And Pedestals, Rapid Set Concrete Repair Material	97.85	
34 05 43 00-0027	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	2,289.70	
34 05 43 00-0028	SF	Patch >16 SF Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	97.30	
34 05 43 00-0029	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	2,979.77	
		For Owner Furnished Material, Deduct	*-842.16*	
34 05 43 00-0030	SF	Patch >16 SF Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	139.42	
		For Owner Furnished Material, Deduct	*-51.63*	

34 05 43 00-0031 Patch Circular Piers *(34 05 43 00-0003)*

Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0032	EA	Patch Up To 16 SF Of Circular Pier, Portland Cement Based Repair Material	2,716.79	
34 05 43 00-0033	SF	Patch >16 SF Of Circular Pier, Portland Cement Based Repair Material	106.81	
34 05 43 00-0034	EA	Patch Up To 16 SF Of Circular Pier, Rapid Set Concrete Repair Material	2,756.55	
34 05 43 00-0035	SF	Patch >16 SF Of Circular Pier, Rapid Set Concrete Repair Material	109.30	
34 05 43 00-0036	EA	Patch Up To 16 SF Of Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	2,747.75	
34 05 43 00-0037	SF	Patch >16 SF Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	108.75	
34 05 43 00-0038	EA	Patch Up To 16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	3,437.82	
		For Owner Furnished Material, Deduct	*-842.16*	
34 05 43 00-0039	SF	Patch >16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	150.87	
		For Owner Furnished Material, Deduct	*-51.63*	

34 05 43 00-0040 Fiber Reinforced Shotcrete Repair *(34 05 43)*

34 05 43 00-0041	EA	Mobilize Fiber Reinforced Shotcrete Repair Crew	615.13	
34 05 43 00-0042	SF	Up to 2" Thick, Fiber Reinforced Shotcrete Repair	46.99	
		For Up To 25, Add	*23.07*	
		For >25 To 50, Add	*11.54*	
		For >50 To 150, Add	*4.61*	
34 05 43 00-0043	SF	>2" To 4" Thick, Fiber Reinforced Shotcrete Repair	55.53	
		For Up To 25, Add	*26.92*	
		For >25 To 50, Add	*13.46*	
		For >50 To 150, Add	*5.38*	
34 05 43 00-0044	SF	>4" To 6" Thick, Fiber Reinforced Shotcrete Repair	64.08	
		For Up To 25, Add	*30.76*	
		For >25 To 50, Add	*15.38*	
		For >50 To 150, Add	*6.15*	

34 05 43 00-0045 Bridge Railing *(34 05 43)*

34 05 43 00-0046 Remove And Store Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0047	LF	Remove And Store One Rail Bridge Railing	5.77	
34 05 43 00-0048	LF	Remove And Store Two Rail Bridge Railing	11.55	
34 05 43 00-0049	LF	Remove And Store Three Rail Bridge Railing	17.31	
34 05 43 00-0050	LF	Remove And Store Four Rail Bridge Railing	23.08	

34 05 43 00-0051 Install Stored Or Supplied Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0052	LF	Install Stored Or Supplied One Rail Bridge Railing	48.63	
34 05 43 00-0053	LF	Install Stored Or Supplied Two Rail Bridge Railing	97.25	
34 05 43 00-0054	LF	Install Stored Or Supplied Three Rail Bridge Railing	145.88	
34 05 43 00-0055	LF	Install Stored Or Supplied Four Rail Bridge Railing	194.52	

34 05 43 00-0056 Bridge Bearings *(34 05 43)*

Note: Excludes drilling and anchor bolts.

34 05 43 00-0057 Elastomeric Bearings *(34 05 43 00-0056)*

34 05 43 00-0058	EA	Plain Elastomeric, Type EP Bearing, 716-10, All Loads	710.37	236.18
34 05 43 00-0059	EA	Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,113.48	472.37
		For >100K To 250K Load, Add	*46.40*	
		For >250K To 500K Load, Add	*92.79*	
		For >500K To 750K Load, Add	*139.19*	
34 05 43 00-0060	EA	Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	2,381.63	708.55
		For >100K To 250K Load, Add	*140.74*	
		For >250K To 500K Load, Add	*281.47*	
		For >500K To 750K Load, Add	*422.21*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0061		**Fixed Structural Pot Bearings** *(34 05 43 00-0056)*			
34 05 43 00-0062	EA	100K To 250K Fixed Structural Pot Bearing		1,933.17	
34 05 43 00-0063	EA	>250K To 500K Fixed Structural Pot Bearing		3,000.29	
34 05 43 00-0064	EA	>500K To 750K Fixed Structural Pot Bearing		4,067.38	
34 05 43 00-0065		**Universal Structural Expansion Pot Bearings** *(34 05 43 00-0056)*			
34 05 43 00-0066	EA	100K To 250K Universal Structural Pot Bearing		2,468.82	
34 05 43 00-0067	EA	>250K To 500K Universal Structural Pot Bearing		3,826.40	
34 05 43 00-0068	EA	>500K To 750K Universal Structural Pot Bearing		5,186.91	
34 05 43 00-0069		**Guided Structural Expansion Pot Bearings** *(34 05 43 00-0056)*			
34 05 43 00-0070	EA	100K To 250K Guided Structural Pot Bearing		2,552.91	
34 05 43 00-0071	EA	>250K To 500K Guided Structural Pot Bearing		3,952.51	
34 05 43 00-0072	EA	>500K To 750K Guided Structural Pot Bearing		5,355.06	
34 05 43 00-0073		**Remove, Repair And Install Bridge Bearings** *(34 05 43 00-0056)*			
34 05 43 00-0074		**Remove Structural Bearings** *(34 05 43 00-0073)*			
34 05 43 00-0075	EA	100K To 250K Structural Bearing Removal		339.52	
34 05 43 00-0076	EA	>250K To 500K Structural Bearing Removal		679.03	
34 05 43 00-0077	EA	>500K To 750K Structural Bearing Removal		1,018.55	
34 05 43 00-0078		**Install And Set Supplied Or Restored Structural Bearings** *(34 05 43 00-0073)*			
34 05 43 00-0079	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing		509.27	
34 05 43 00-0080	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing		1,018.55	
34 05 43 00-0081	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing		1,527.82	
34 05 43 00-0082		**Power Wash And Paint Structural Bearings** *(34 05 43 00-0073)*			
		Note: Includes bearing plates.			
34 05 43 00-0083	EA	100K To 250K Structural Bearing - Power Wash And Paint		792.35	
34 05 43 00-0084	EA	>250K To 500K Structural Bearing - Power Wash And Paint		894.03	
34 05 43 00-0085	EA	>500K To 750K Structural Bearing - Power Wash And Paint		995.71	
34 05 43 00-0086		**Power Wash, Mechanically Clean And Paint Structural Bearings** *(34 05 43 00-0073)*			
		Note: Includes bearing plates. Excludes paint removal.			
34 05 43 00-0087	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint		1,054.81	
		For Vacuum Contained Cleaning, Add		*262.44*	
34 05 43 00-0088	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint		1,189.27	
		For Vacuum Contained Cleaning, Add		*295.23*	
34 05 43 00-0089	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint		1,323.42	
		For Vacuum Contained Cleaning, Add		*327.95*	
34 05 43 00-0090		**Power Wash And Paint Only Bearing Plates** *(34 05 43 00-0073)*			
34 05 43 00-0091	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates		494.59	
34 05 43 00-0092	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates		594.63	
34 05 43 00-0093	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates		694.68	
34 05 43 00-0094		**Power Wash, Mechanically Clean And Paint Only Bearing Plates** *(34 05 43 00-0073)*			
34 05 43 00-0095	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates		659.54	
		For Vacuum Contained Cleaning, Add		*164.03*	
34 05 43 00-0096	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates		791.45	
		For Vacuum Contained Cleaning, Add		*196.82*	
34 05 43 00-0097	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates		923.07	
		For Vacuum Contained Cleaning, Add		*229.54*	
34 05 43 00-0098		**Sand Blast And Paint Structural Bearings** *(34 05 43 00-0073)*			
		Note: Includes bearing plates.			
34 05 43 00-0099	EA	100K To 250K Structural Bearing - Sand Blast And Paint		1,264.72	
		For Vacuum Contained Cleaning, Add		*314.91*	
34 05 43 00-0100	EA	>250K To 500K Structural Bearing - Sand Blast And Paint		1,425.45	
		For Vacuum Contained Cleaning, Add		*354.28*	
34 05 43 00-0101	EA	>500K To 750K Structural Bearing - Sand Blast And Paint		1,586.18	
		For Vacuum Contained Cleaning, Add		*393.64*	
34 05 43 00-0102		**Sand Blast And Paint Only Bearing Plates** *(34 05 43 00-0073)*			
34 05 43 00-0103	EA	100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates		790.72	
		For Vacuum Contained Cleaning, Add		*196.82*	
34 05 43 00-0104	EA	>250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates		948.91	
		For Vacuum Contained Cleaning, Add		*236.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0105	EA	>500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,107.09	
		For Vacuum Contained Cleaning, Add	*275.55*	
34 05 43 00-0106		**Grease Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0107	EA	100K To 250K Structural Bearing - Grease	49.20	
34 05 43 00-0108	EA	>250K To 500K Structural Bearing - Grease	73.81	
34 05 43 00-0109	EA	>500K To 750K Structural Bearing - Grease	98.41	
34 05 43 00-0110		**Replace Bronze Plate Wearing Pad** *(34 05 43 00-0073)*		
34 05 43 00-0111	SF	Replace Bronze Plate Wearing Pad	278.03	
34 05 43 00-0112		**Bridge Bearing Rivet Removal** *(34 05 43 00-0073)*		
		See CSI section 02 41 19 13-0069 for reaming of hole, 34 05 43 00-0343 for anchors and grouting.		
34 05 43 00-0113	EA	Bridge Bearing Rivet Removal	196.82	
34 05 43 00-0114		**Bridge Pintels, Side Keeper, And Shim Plates** *(34 05 43)*		
34 05 43 00-0115	EA	Remove And Replace Bridge Pintel	190.79	
34 05 43 00-0116	EA	Remove And Replace Bridge Side Keeper	193.87	
34 05 43 00-0117	EA	Refabricate And Install Shim Plates At One Bearing	115.23	
34 05 43 00-0118	EA	Refabricate And Install Beveled Shim Plates At One Bearing	115.23	
34 05 43 00-0119	EA	Refabricate And Install Finger Shim Plates At One Bearing	115.23	
34 05 43 00-0120		**Vertical Jacking And Lifting** *(34 05 43)*		
		Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0121		**Mobilize Jacking Crew And Equipment** *(34 05 43 00-0120)*		
		Note: Includes removing equipment after completion.		
34 05 43 00-0122	EA	Mobilize Bridge Jacking Crew and Equipment	1,771.39	
		For Temporary Support Mobilization, Add	*3,542.78*	
34 05 43 00-0123		**Vertical Jacking And Lifting Per Point of Contact** *(34 05 43 00-0120)*		
		Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124	EA	Up To 10 Ton Jack, Per Point Of Contact	295.23	
		For Synchronized Lift, Add	*59.05*	
		For Jacking From Temporary Support, Add	*118.09*	
34 05 43 00-0125	EA	>10 To 20 Ton Jack, Per Point Of Contact	344.44	
		For Synchronized Lift, Add	*68.89*	
		For Jacking From Temporary Support, Add	*137.78*	
34 05 43 00-0126	EA	>20 To 40 Ton Jack, Per Point Of Contact	393.64	
		For Synchronized Lift, Add	*78.73*	
		For Jacking From Temporary Support, Add	*157.46*	
34 05 43 00-0127	EA	>40 To 60 Ton Jack, Per Point Of Contact	442.85	
		For Synchronized Lift, Add	*88.57*	
		For Jacking From Temporary Support, Add	*177.14*	
34 05 43 00-0128	EA	>60 To 80 Ton Jack, Per Point Of Contact	492.05	
		For Synchronized Lift, Add	*98.41*	
		For Jacking From Temporary Support, Add	*196.82*	
34 05 43 00-0129	EA	>80 To 100 Ton Jack, Per Point Of Contact	541.25	
		For Synchronized Lift, Add	*108.25*	
		For Jacking From Temporary Support, Add	*216.50*	
34 05 43 00-0130	EA	>100 To 120 Ton Jack, Per Point Of Contact	590.46	
		For Synchronized Lift, Add	*118.09*	
		For Jacking From Temporary Support, Add	*236.18*	
34 05 43 00-0131	EA	>120 To 140 Ton Jack, Per Point Of Contact	615.06	
		For Synchronized Lift, Add	*123.01*	
		For Jacking From Temporary Support, Add	*246.02*	
34 05 43 00-0132	EA	>140 To 160 Ton Jack, Per Point Of Contact	639.67	
		For Synchronized Lift, Add	*127.93*	
		For Jacking From Temporary Support, Add	*255.87*	
34 05 43 00-0133	EA	>160 To 250 Ton Jack, Per Point Of Contact	639.67	
		For Synchronized Lift, Add	*127.93*	
		For Jacking From Temporary Support, Add	*255.87*	
34 05 43 00-0134	EA	>250 To 300 Ton Jack, Per Point Of Contact	688.88	
		For Synchronized Lift, Add	*137.78*	
		For Jacking From Temporary Support, Add	*275.55*	
34 05 43 00-0135	EA	>300 To 400 Ton Jack, Per Point Of Contact	738.08	
		For Synchronized Lift, Add	*147.62*	
		For Jacking From Temporary Support, Add	*295.23*	
34 05 43 00-0136	EA	>400 To 500 Ton Jack, Per Point Of Contact	787.28	
		For Synchronized Lift, Add	*157.46*	
		For Jacking From Temporary Support, Add	*314.91*	
34 05 43 00-0137	EA	>500 To 600 Ton Jack, Per Point Of Contact	836.49	
		For Synchronized Lift, Add	*167.30*	
		For Jacking From Temporary Support, Add	*334.60*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0138		Daily Charge For Vertical Jacking Equipment *(34 05 43 00-0120)* Note: Includes hydraulics and synchronizing equipment.			
34 05 43 00-0139	DAY	Up To 10 Ton Jacking Equipment Charge By The Day		10.83	
34 05 43 00-0140	DAY	>10 To 20 Ton Jacking Equipment Charge By The Day		21.66	
34 05 43 00-0141	DAY	>20 To 40 Ton Jacking Equipment Charge By The Day		43.32	
34 05 43 00-0142	DAY	>40 To 60 Ton Jacking Equipment Charge By The Day		64.98	
34 05 43 00-0143	DAY	>60 To 80 Ton Jacking Equipment Charge By The Day		86.64	
34 05 43 00-0144	DAY	>80 To 100 Ton Jacking Equipment Charge By The Day		108.30	
34 05 43 00-0145	DAY	>100 To 120 Ton Jacking Equipment Charge By The Day		129.96	
34 05 43 00-0146	DAY	>120 To 140 Ton Jacking Equipment Charge By The Day		151.62	
34 05 43 00-0147	DAY	>140 To 160 Ton Jacking Equipment Charge By The Day		173.28	
34 05 43 00-0148	DAY	>160 To 250 Ton Jacking Equipment Charge By The Day		197.73	
34 05 43 00-0149	DAY	>250 To 300 Ton Jacking Equipment Charge By The Day		225.41	
34 05 43 00-0150	DAY	>300 To 400 Ton Jacking Equipment Charge By The Day		285.52	
34 05 43 00-0151	DAY	>400 To 500 Ton Jacking Equipment Charge By The Day		339.05	
34 05 43 00-0152	DAY	>500 To 600 Ton Jacking Equipment Charge By The Day		386.53	
34 05 43 00-0153		Temporary Shoring *(34 05 43 00-0120)* Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.			
34 05 43 00-0154		HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*			
34 05 43 00-0155	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup		1,875.56	
34 05 43 00-0156	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation		1,360.79	
34 05 43 00-0157	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal		330.93	
34 05 43 00-0158		HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*			
34 05 43 00-0159	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup		1,921.22	
34 05 43 00-0160	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation		1,285.34	
34 05 43 00-0161	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal		317.45	
34 05 43 00-0162		HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*			
34 05 43 00-0163	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup		1,252.37	
34 05 43 00-0164	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation		608.02	
34 05 43 00-0165	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal		202.09	
34 05 43 00-0166		HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring *(34 05 43 00-0153)*			
34 05 43 00-0167	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup		3,423.72	
34 05 43 00-0168	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation		2,075.40	
34 05 43 00-0169	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal		543.95	
34 05 43 00-0170		Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring *(34 05 43 00-0153)* Note: Excludes mats. See CSI section 01 22 23 00-0509 for mats.			
34 05 43 00-0171	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup Note: Excludes mats.		3,853.38	
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation Note: Excludes mats.		1,594.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal Note: Excludes mats.	830.26	
34 05 43 00-0174		**Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring** *(34 05 43 00-0153)* Note: Excludes mats. See CSI section 01 22 23 00-0509 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	1,545.30	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation Note: Excludes mats.	503.26	
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal Note: Excludes mats.	284.61	
34 05 43 00-0178		**MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup	1,876.79	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	1,725.81	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	277.88	
34 05 43 00-0182		**MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0183	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Setup	1,353.43	
34 05 43 00-0184	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Relocation	1,226.57	
34 05 43 00-0185	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	229.03	
34 05 43 00-0186		**Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup Note: Left in place.	964.26	
34 05 43 00-0188		**Temporary Bridge Shoring Components** *(34 05 43 00-0153)* Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0021 for temporary lumber.		
34 05 43 00-0189		**Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temorary Bridge Shoring Note: Remove after use.	58.95	
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temorary Bridge Shoring Note: Remove after use.	147.73	
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temorary Bridge Shoring Note: Remove after use.	112.02	
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temorary Bridge Shoring Note: Remove after use.	124.31	
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	16.74	
		For Galvanized Steel, Add	*3.17*	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	21.07	
		For Galvanized Steel, Add	*4.32*	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	41.78	
		For Galvanized Steel, Add	*9.78*	
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	36.00	
		For Galvanized Steel, Add	*8.75*	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	47.64	
		For Galvanized Steel, Add	*11.59*	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	61.01	
		For A50 Grade Steel, Add	*1.46*	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	85.39	
		For A50 Grade Steel, Add	*2.04*	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	134.20	
		For A50 Grade Steel, Add	*3.21*	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	146.41	
		For A50 Grade Steel, Add	*3.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0203		**Relocate Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes removal after use.		
34 05 43 00-0204	EA	Relocate Complete Temporary Steel Bridge Shoring Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.	3,473.97	
34 05 43 00-0205	SF	Relocate 1-3/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	69.97	
34 05 43 00-0206	LF	Relocate HP12 x 63 For Temorary Bridge Shoring Note: Remove after use.	55.58	
34 05 43 00-0207	LF	Relocate 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	11.62	
34 05 43 00-0208	LF	Relocate 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	14.10	
34 05 43 00-0209	LF	Relocate 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	28.95	
34 05 43 00-0210	SF	Relocate 7/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	44.52	
34 05 43 00-0211	LF	Relocate MC7 x 19.1 For Temorary Bridge Shoring Note: Remove after use.	32.23	
34 05 43 00-0212	LF	Relocate HP12 x 53 For Temorary Bridge Shoring Note: Remove after use.	54.42	
34 05 43 00-0213	SF	Relocate 5/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	31.81	
34 05 43 00-0214	LF	Relocate 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	26.01	
34 05 43 00-0215	SF	Relocate 1-1/2" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	76.34	
34 05 43 00-0216	LF	Relocate MC18 x 51.9 For Temorary Bridge Shoring Note: Remove after use.	93.02	
34 05 43 00-0217	LF	Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	21.88	
34 05 43 00-0218		**Pier Caps And Pedestal Replacement For Bridges** *(34 05 43)* See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0219	SF	Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas	21.51	
34 05 43 00-0220	CWT	Rebar For Pier Cap Or Pedestals	337.56	
34 05 43 00-0221	CY	Pour Pedestals	282.09	
34 05 43 00-0222	CY	Demolish Concrete Pedestals	3,157.69	
34 05 43 00-0223	CY	Pour Pier Cap	334.52	
34 05 43 00-0224	CY	Demolish Concrete Pier Cap	3,630.99	
34 05 43 00-0225		**Bridge Deck Repair** *(34 05 43)*		
34 05 43 00-0226		**Bridge Expansion Joint Repair** *(34 05 43 00-0225)* Note: Replace header with semi-flexible polymer nosing system. Includes sawcutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0227	CF	Replace Header With Semi-Flexible Polymer Nosing System	561.37	
34 05 43 00-0228	CF	Replace Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar Note: Includes sawcutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	158.70	
		For Up To 24, Add	*27.82*	
34 05 43 00-0229	CF	Replace Header With Polyester-Based Polymer Patch Note: Includes sawcutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	177.27	
		For Up To 24, Add	*29.67*	
34 05 43 00-0230	CI	Seal Expansion Joints With Rapid Cure Silicone	4.69	
34 05 43 00-0231	CI	Seal Expansion Joints With Closed Cell Foam/EVA	0.57	
34 05 43 00-0232	LF	Seal Expansion Joints With "V" Shape Preformed Silicone	62.57	
34 05 43 00-0233	LF	Seal Expansion Joints With "W" Shape Preformed Silicone	66.21	
34 05 43 00-0234		**Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck** *(34 05 43 00-0225)* Note: Includes steel profile and neoprene seal element. Demolition includes sawcutting and disposal of existing strip seal but excludes concrete removal.		
34 05 43 00-0235	LF	1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	129.91	
34 05 43 00-0236	LF	1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	147.12	
34 05 43 00-0237	LF	1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	125.32	
34 05 43 00-0238	LF	1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	123.73	
34 05 43 00-0239		**Silicone Joint Sealant For Concrete Bridge Deck** *(34 05 43 00-0225)* Note: Installation includes sawcutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.		
34 05 43 00-0240	LF	1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	17.01	
34 05 43 00-0241	LF	1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	20.17	
34 05 43 00-0242	LF	2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	23.73	
34 05 43 00-0243	LF	2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	25.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0244		**V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck** *(34 05 43 00-0225)*		
		Note: Includes sawcutting, sandblasting, conditioner, epoxy, and backer rod.		
34 05 43 00-0245	LF	3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	58.37	
34 05 43 00-0246	LF	4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	61.55	
34 05 43 00-0247		**J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck** *(34 05 43 00-0225)*		
		Note: Includes sawcutting, sandblasting, conditioner, and epoxy.		
34 05 43 00-0248	LF	2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	58.13	
34 05 43 00-0249	LF	2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	67.73	
34 05 43 00-0250	LF	3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	81.81	
34 05 43 00-0251	LF	3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	97.45	
34 05 43 00-0252	LF	4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	108.01	
34 05 43 00-0253	LF	5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	190.17	
34 05 43 00-0254		**Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck** *(34 05 43 00-0225)*		
		Note: Includes sawcutting, sandblasting, and lubricant adhesive.		
34 05 43 00-0255	LF	1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	34.48	
34 05 43 00-0256	LF	1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	37.11	
34 05 43 00-0257	LF	1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	38.63	
34 05 43 00-0258	LF	2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	40.44	
34 05 43 00-0259	LF	2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	44.76	
34 05 43 00-0260	LF	3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	50.25	
34 05 43 00-0261	LF	3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	57.68	
34 05 43 00-0262	LF	4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	65.24	
34 05 43 00-0263	LF	4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	68.74	
34 05 43 00-0264	LF	5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	77.37	
34 05 43 00-0265	LF	6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	105.40	
34 05 43 00-0266		**Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck** *(34 05 43 00-0225)*		
		Note: Includes sawcutting, sandblasting and epoxy.		
34 05 43 00-0267	LF	1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	32.32	
34 05 43 00-0268	LF	5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	33.25	
34 05 43 00-0269	LF	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	34.18	
34 05 43 00-0270	LF	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	35.40	
34 05 43 00-0271	LF	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	36.65	
34 05 43 00-0272	LF	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	51.64	
34 05 43 00-0273	LF	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	55.02	
34 05 43 00-0274	LF	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	57.15	
34 05 43 00-0275	LF	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	60.48	
34 05 43 00-0276	LF	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	64.26	
34 05 43 00-0277	LF	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	68.21	
34 05 43 00-0278	LF	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	70.25	
34 05 43 00-0279	LF	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	76.99	
34 05 43 00-0280	LF	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	82.58	
34 05 43 00-0281	LF	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	87.35	
34 05 43 00-0282	LF	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	89.47	
34 05 43 00-0283	EA	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	114.45	
34 05 43 00-0284	EA	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	118.08	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0285	EA	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	136.32	
34 05 43 00-0286	EA	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	142.19	
34 05 43 00-0287	EA	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	147.05	
34 05 43 00-0288	EA	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	168.08	
34 05 43 00-0289	EA	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	172.62	
34 05 43 00-0290	EA	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	177.93	
34 05 43 00-0291	EA	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	183.52	
34 05 43 00-0292	EA	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	210.64	
34 05 43 00-0293	EA	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	221.04	
34 05 43 00-0294	EA	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	229.44	
34 05 43 00-0295	EA	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	236.49	
34 05 43 00-0296	EA	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	239.60	

34 05 43 00-0297 Remove Existing Steel Joint System *(34 05 43 00-0225)*

34 05 43 00-0298	LF	Remove Existing Steel Joint System	64.44	

34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine *(34 05 43 00-0225)*

Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0046 for saw cutting.

34 05 43 00-0300	SY	Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine	13.89	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,500, Deduct	*-2.50*	
		For >2,500 To 5,000, Deduct	*-3.61*	
		For >5,000 To 10,000, Deduct	*-4.72*	
		For >10,000, Deduct	*-5.83*	
34 05 43 00-0301	SY	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	18.97	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,500, Deduct	*-3.41*	
		For >2,500 To 5,000, Deduct	*-4.93*	
		For >5,000 To 10,000, Deduct	*-6.45*	
		For >10,000, Deduct	*-7.97*	
34 05 43 00-0302	SY	Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine	23.01	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000 To 2,500, Deduct	*-4.14*	
		For >2,500 To 5,000, Deduct	*-5.98*	
		For >5,000 To 10,000, Deduct	*-7.82*	
		For >10,000, Deduct	*-9.66*	
34 05 43 00-0303	SY	Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	29.58	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000 To 2,500, Deduct	*-5.32*	
		For >2,500 To 5,000, Deduct	*-7.69*	
		For >5,000 To 10,000, Deduct	*-10.06*	
		For >10,000, Deduct	*-12.42*	
34 05 43 00-0304	SY	Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	52.89	
		For >500 To 1,000, Deduct	*-5.29*	
		For >1,000 To 2,500, Deduct	*-9.52*	
		For >2,500 To 5,000, Deduct	*-13.75*	
		For >5,000 To 10,000, Deduct	*-17.98*	
		For >10,000, Deduct	*-22.21*	
34 05 43 00-0305	SY	Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	69.03	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000 To 2,500, Deduct	*-12.43*	
		For >2,500 To 5,000, Deduct	*-17.95*	
		For >5,000 To 10,000, Deduct	*-23.47*	
		For >10,000, Deduct	*-28.99*	
34 05 43 00-0306	SY	Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	90.25	
		For >500 To 1,000, Deduct	*-9.03*	
		For >1,000 To 2,500, Deduct	*-16.25*	
		For >2,500 To 5,000, Deduct	*-23.47*	
		For >5,000 To 10,000, Deduct	*-30.69*	
		For >10,000, Deduct	*-37.91*	
34 05 43 00-0307	SY	Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	109.52	
		For >500 To 1,000, Deduct	*-10.95*	
		For >1,000 To 2,500, Deduct	*-19.71*	
		For >2,500 To 5,000, Deduct	*-28.48*	
		For >5,000 To 10,000, Deduct	*-37.24*	
		For >10,000, Deduct	*-46.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0308		**Break-Up And Remove Bridge Decking By Hand** *(34 05 43 00-0225)* Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
34 05 43 00-0309	SF	Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	9.94	
34 05 43 00-0310	SF	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	13.08	
34 05 43 00-0311	SF	Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	17.01	
34 05 43 00-0312	SF	Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	12.43	
34 05 43 00-0313	SF	Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	15.53	
34 05 43 00-0314	SF	Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	18.64	
34 05 43 00-0315	SF	Chipping And Cleaning Of Bridge Deck After Break-up And Removals	4.47	
34 05 43 00-0316		**Hydro Blasting Of Bridge Decks** *(34 05 43 00-0225)* Note: Excludes hauling and disposal of water and debris.		
34 05 43 00-0317	EA	Mobilization Of Hydro Blasting Equipment Note: Includes trailer with power, hydro milling machine, vacuum machine.	10,180.59	
34 05 43 00-0318	EA	Mobilization Of Hydro Blasting Equipment Note: Includes water tank, pump and miscellaneous fittings.	1,322.16	
34 05 43 00-0319	SF	Hydroblasting Of Up To 2-1/2" Of Bridge Decks	9.35	
34 05 43 00-0320	SF	Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting	6.91	
34 05 43 00-0321	SF	Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2"	1.71	
34 05 43 00-0322	SF	Hydroblasting 3" To 4-1/2" Of Bridge Decks	13.82	
34 05 43 00-0323	SF	Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting	9.35	
34 05 43 00-0324	SF	Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2"	4.47	
34 05 43 00-0325	GAL	Water For Hydro Blasting Note: Includes delivery.	0.11	
34 05 43 00-0326		**Patch For Bridge Deck** *(34 05 43 00-0225)*		
34 05 43 00-0327	CF	Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Deck. Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	71.35	
34 05 43 00-0328	CF	Polyester-Based Polymer Patch For Bridge Deck. Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	89.92	
34 05 43 00-0329	SF	Hand Placed Hot Mixed Asphal Repair For Bridge Approach Note: Includes removal of HMA, tack coat, and installation of HMA and compaction by roller.	18.90	
34 05 43 00-0330		**Pressure Washing For Bridge Deck** *(34 05 43 00-0225)*		
34 05 43 00-0331	SF	Pressure Washing For Bridge Deck. Note: Includes pressure washer and water.	0.06	
34 05 43 00-0332		**Galvanic Anodes** *(34 05 43)*		
34 05 43 00-0333	EA	2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	31.12	
34 05 43 00-0334	EA	4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	31.12	
34 05 43 00-0335	EA	2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	35.39	
34 05 43 00-0336	EA	4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	38.64	
34 05 43 00-0337	EA	2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	35.39	
34 05 43 00-0338	EA	1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	36.48	
34 05 43 00-0339	EA	1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	44.04	
34 05 43 00-0340	EA	1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	40.80	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 05 43 00-0341 Bridge Netting Panels *(34 05 43)*

34 05 43 00-0342 SF Bridge Netting Panel 5.34
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.

For Up To 160, Add *7.04*
For >160 To 320, Add *3.52*
For >320 To 480, Add *1.76*
For >2,000 To 10,000, Deduct *-0.22*
For >10,000 To 25,000, Deduct *-0.45*
For >25,000, Deduct *-0.67*

34 05 43 00-0343 Anchors *(34 05 43)*

Note: Excludes core drilling. See CSI section 02 41 19 13-0069 for core drilling.

34 05 43 00-0344 Threaded Rod, A449 *(34 05 43 00-0343)*

34 05 43 00-0345 LF 7/8" Diameter Continuous Threaded Rod, A449 ..... 11.58
34 05 43 00-0346 LF 1" Diameter Continuous Threaded Rod, A449 ..... 13.73
34 05 43 00-0347 LF 1-1/8" Diameter Continuous Threaded Rod, A449 ..... 15.85
34 05 43 00-0348 LF 1-1/4" Diameter Continuous Threaded Rod, A449 ..... 19.89

34 05 43 00-0349 Flat Washers, F436 *(34 05 43 00-0343)*

34 05 43 00-0350 EA 7/8" Flat Washer, F436 ..... 1.44
34 05 43 00-0351 EA 1" Flat Washer, F436 ..... 1.67
34 05 43 00-0352 EA 1-1/8" Flat Washer, F436 ..... 1.83
34 05 43 00-0353 EA 1-1/4" Flat Washer, F436 ..... 2.08

34 05 43 00-0354 Heavy Hex Nut, A194 *(34 05 43 00-0343)*

34 05 43 00-0355 EA 7/8" Hex Nut, A194 ..... 2.76
34 05 43 00-0356 EA 1" Hex Nut, A194 ..... 3.65
34 05 43 00-0357 EA 1-1/8" Hex Nut, A194 ..... 4.29
34 05 43 00-0358 EA 1-1/4" Hex Nut, A194 ..... 5.09

34 05 43 00-0359 Grout For Threaded Rod *(34 05 43 00-0343)*

34 05 43 00-0360 IN Grout 7/8" Rod In Hole 2.29
34 05 43 00-0361 IN Grout 1" Rod In Hole 2.61
34 05 43 00-0362 IN Grout 1-1/8" Rod In Hole 3.06
34 05 43 00-0363 IN Grout 1-1/4" Rod In Hole 3.65

34 05 43 00-0364 Test Grouted Anchor *(34 05 43 00-0343)*

34 05 43 00-0365 EA Test Grouted Anchor 18.21

34 05 43 00-0366 Removal Of Fasteners Or Anchors In Concrete *(34 05 43 00-0343)*

Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.

34 05 43 00-0367 EA Drill Out 3/8" Diameter Fastener/Anchor In Concrete 19.62
34 05 43 00-0368 EA Drill Out 1/2" Diameter Fastener/Anchor In Concrete 21.10
34 05 43 00-0369 EA Drill Out 9/16" Diameter Fastener/Anchor In Concrete 21.97
34 05 43 00-0370 EA Drill Out 5/8" Diameter Fastener/Anchor In Concrete 23.69
34 05 43 00-0371 EA Drill Out 3/4" Diameter Fastener/Anchor In Concrete 25.94
34 05 43 00-0372 EA Drill Out 7/8" Diameter Fastener/Anchor In Concrete 28.57
34 05 43 00-0373 EA Drill Out 1" Diameter Fastener/Anchor In Concrete 30.17
34 05 43 00-0374 EA Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete 32.02
34 05 43 00-0375 EA Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete 34.28
34 05 43 00-0376 EA Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete 38.54

34 05 43 00-0377 Bridge Surfacing *(34 05 43)*

34 05 43 00-0378 Bridge Coatings *(34 05 43 00-0377)*

Note: Includes sweeping of bridge deck.

34 05 43 00-0379 SF Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats) 0.70
Note: Includes power washing and drying after power washing.
34 05 43 00-0380 SF Protective Seal Coat For Existing Bridge Decks 1.40
34 05 43 00-0381 SF Penetrating Sealer For Existing Bridge Decks 2.23

34 05 43 00-0382 Bridge Membranes *(34 05 43 00-0377)*

Note: Excludes abrasive blasting of deck.

34 05 43 00-0383 SF Spray Applied Waterproofing Membrane For Bridge Decks 9.21
34 05 43 00-0384 SF Sheet Applied Waterproofing Membrane For Bridge Decks 2.58

34 05 43 00-0385 Sealer And Overlay For Bridge Deck *(34 05 43 00-0377)*

Note: Excludes sweeping, cleaning and abrasive blasting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0386	SF	Shot Blasting Bridge Decks Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.	1.15	
34 05 43 00-0387	SF	Thin Polymer (Epoxy) Overlay For Bridge Deck Note: Includes epoxy overlay applied in two coats with aggregate.	3.84	
34 05 43 00-0388	SF	3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	11.60	
34 05 43 00-0389	SF	1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	13.33	
34 05 43 00-0390	SF	1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	16.63	
34 05 43 00-0391	SF	2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	19.94	
34 05 43 00-0392	SF	2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	23.24	
34 05 43 00-0393	SF	3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.	26.55	
34 05 43 00-0394		**Broadcast Silica Sand** *(34 05 43 00-0377)* Note: Includes removing loose sand..		
34 05 43 00-0395	SF	Broadcast Silica Sand	0.20	
34 05 43 00-0396		**Sweeping And Cleaning Of Bridge Deck** *(34 05 43 00-0377)* See CSI section 01 22 23 00-1136 for water trucks, 01 22 23 00-1154 for vacuum sweeper trucks.		
34 05 43 00-0397		**Concrete Overlay For Bridge Deck** *(34 05 43 00-0377)* Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0398	SY	3" Concrete Overlay For Bridge Deck	124.67	
		For DOT Class DP, Add	*18.93*	
		For DOT Class E, Add	*6.18*	
		For DOT Class HP, Add	*18.07*	
34 05 43 00-0399		**Bridge Roadway Grooving** *(34 05 43 00-0377)*		
34 05 43 00-0400	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	2,852.49	
34 05 43 00-0401	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	2.64	
34 05 43 00-0402	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	3,177.77	
34 05 43 00-0403	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	3.44	
34 05 43 00-0404		**Gravity Fed Concrete Crack Repair** *(34 05 43 00-0377)* Note: Includes removing loose materials and cleaning.		
34 05 43 00-0405	LF	Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	2.19	
34 05 43 00-0406	LF	HMWM Low Viscosity Gravity Fed Concrete Crack Repair	2.59	
34 05 43 00-0407		**Concrete Pumping With Boom Truck** *(34 05 43 00-0377)* See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 31 13 00-0088 for concrete pump truck.		
34 05 43 00-0408		**Bridge Girder Repair** *(34 05 43)*		
34 05 43 00-0409		**Bridge Girder Repair** *(34 05 43 00-0408)* Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0040 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0410	HR	UT, MT, PT Testing Note: Does not include mileage to job site.	75.00	
34 05 43 00-0411	EA	Mobilization of Bridge Girder Repair Crew	1,885.98	
34 05 43 00-0412	LF	3" x 3" x 1/4" Angle Iron For Bridge Repair	9.39	4.42
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*11.17*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.16*	
34 05 43 00-0413	LF	4" x 4" x 1/4" Angle Iron For Bridge Repair	11.90	5.40
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
34 05 43 00-0414	LF	3" x 3" x 3/8" Angle Iron For Bridge Repair	11.75	4.97
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
34 05 43 00-0415	LF	4" x 4" x 3/8" Angle Iron For Bridge Repair	15.03	6.04
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0416	LF	6" x 4" x 3/8" Angle Iron For Bridge Repair	19.30	7.89
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.44*	
34 05 43 00-0417	LF	6" x 6" x 3/8" Angle Iron For Bridge Repair	21.15	7.89
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*34.02*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.59*	
34 05 43 00-0418	LF	6" x 6" x 1/2" Angle Iron For Bridge Repair	28.10	10.60
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*44.74*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.67*	
34 05 43 00-0419	LF	7" x 4" x 5/8" Angle Iron For Bridge Repair	30.66	11.16
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*50.46*	
		For Aluminum, Add	*2.84*	
		For Galvanized Steel, Add	*9.78*	
34 05 43 00-0420	LF	5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	26.62	9.38
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*45.18*	
		For Aluminum, Add	*2.54*	
		For Galvanized Steel, Add	*8.75*	
34 05 43 00-0421	LF	6" x 4" x 3/4" Angle Iron For Bridge Repair	31.75	11.17
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*53.89*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.44*	
34 05 43 00-0422	LF	7" x 4" x 3/4" Angle Iron For Bridge Repair	35.24	12.41
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*59.81*	
		For Aluminum, Add	*3.36*	
		For Galvanized Steel, Add	*11.59*	
34 05 43 00-0423	LF	8" x 6" x 7/8" Angle Iron For Bridge Repair	50.94	17.28
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*89.28*	
		For Aluminum, Add	*5.02*	
		For Galvanized Steel, Add	*17.30*	
34 05 43 00-0424	LF	C4 x 5.4 - 4" Wide Channels For Bridge Repair	11.43	5.69
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*12.32*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.39*	
34 05 43 00-0425	LF	C6 x 8.2 - 6" Wide Channels For Bridge Repair	16.46	7.95
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*18.72*	
		For Aluminum, Add	*1.05*	
		For Galvanized Steel, Add	*3.63*	
34 05 43 00-0426	LF	C8 x 11.5 - 8" Wide Channels For Bridge Repair	22.09	10.42
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*26.24*	
		For Aluminum, Add	*1.48*	
		For Galvanized Steel, Add	*5.08*	
34 05 43 00-0427	LF	C10 x 15.3 - 10" Wide Channels For Bridge Repair	29.39	13.86
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
34 05 43 00-0428	LF	C12 x 20.7 - 12" Wide Channels For Bridge Repair	39.78	18.76
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*47.26*	
		For Aluminum, Add	*2.66*	
		For Galvanized Steel, Add	*9.16*	
34 05 43 00-0429	LF	C15 x 33.9 - 15" Wide Channels For Bridge Repair	65.14	30.71
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*77.38*	
		For Aluminum, Add	*4.35*	
		For Galvanized Steel, Add	*14.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0430	SF	1/2" A36 Steel Plates For Bridge Repair	36.08	12.09
		For A50 Grade Steel, Add	*1.17*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0431	SF	5/8" A36 Steel Plates For Bridge Repair	45.11	15.11
		For A50 Grade Steel, Add	*1.46*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0432	SF	3/4" A36 Steel Plates For Bridge Repair	54.13	18.04
		For A50 Grade Steel, Add	*1.75*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0433	SF	7/8" A36 Steel Plates For Bridge Repair	63.14	21.15
		For A50 Grade Steel, Add	*2.04*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0434	SF	1" A36 Steel Plates For Bridge Repair	72.16	24.18
		For A50 Grade Steel, Add	*2.34*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0435	SF	1-1/4" A36 Steel Plates For Bridge Repair	90.20	30.22
		For A50 Grade Steel, Add	*2.92*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0436	SF	1-3/8" A36 Steel Plates For Bridge Repair	99.22	33.24
		For A50 Grade Steel, Add	*3.21*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0437	SF	1-1/2" A36 Steel Plates For Bridge Repair	108.24	36.26
		For A50 Grade Steel, Add	*3.50*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0438	CWT	Removal Of Existing Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	49.81	
		For Removal Over 30' To 50', Add	*9.96*	
		For Removal Over 50' To 75', Add	*17.43*	
		For Removal Over 75', Add	*24.91*	
34 05 43 00-0439	TON	Removal Of Existing Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	664.11	
		For Removal Over 30' To 50', Add	*132.82*	
		For Removal Over 50' To 75', Add	*232.44*	
		For Removal Over 75', Add	*332.06*	
34 05 43 00-0440	CWT	Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	259.93	
		For A50 Grade Steel, Add	*42.02*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
34 05 43 00-0441	TON	Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	4,112.99	
		For A50 Grade Steel, Add	*689.78*	
		Cutting Fee For I-beams, Floor Beams And Plates Over 5'x5', Add Per Each Piece	*30.00*	
34 05 43 00-0442	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter Note: Per each hole drilled per steel member.	28.20	
34 05 43 00-0443	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter Note: Per each hole drilled per steel member.	36.57	
34 05 43 00-0444	EA	Bolts A325 For Steel Repair Connections Up To 7/8"	20.56	1.68
34 05 43 00-0445	EA	Bridge Girder Rivet Removal	261.06	
34 05 43 00-0446	LF	Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	5.16	
34 05 43 00-0447	LF	>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	9.37	
34 05 43 00-0448	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	13.58	
34 05 43 00-0449	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	17.79	
34 05 43 00-0450	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	22.00	
34 05 43 00-0451	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	26.21	

34 05 43 00-0452 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces *(34 05 43 00-0408)*

34 05 43 00-0453	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	0.80	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0454	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.08	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
34 05 43 00-0455	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.59	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
34 05 43 00-0456	SF	Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.66	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.39*	
		For >30,000, Deduct	*-0.51*	
34 05 43 00-0457	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	2.01	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.29*	
		For >30,000, Deduct	*-0.39*	
34 05 43 00-0458	SF	Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	2.49	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.48*	
34 05 43 00-0459	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.24	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.41*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 30,000, Deduct	*-0.47*	
		For >30,000, Deduct	*-0.62*	
34 05 43 00-0460	SF	Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	4.04	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 30,000, Deduct	*-0.59*	
		For >30,000, Deduct	*-0.78*	

34 05 43 00-0461 Galvanized Anchor Bolts For Bridge Bearings *(34 05 43 00-0408)*

34 05 43 00-0462	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	6.39
34 05 43 00-0463	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	10.45
34 05 43 00-0464	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	12.32
34 05 43 00-0465	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	13.76
34 05 43 00-0466	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	16.52
34 05 43 00-0467	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	18.52
34 05 43 00-0468	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	18.45
34 05 43 00-0469	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	21.01
34 05 43 00-0470	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	25.33
34 05 43 00-0471	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	30.33
34 05 43 00-0472	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	24.16
34 05 43 00-0473	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	28.32
34 05 43 00-0474	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	35.56
34 05 43 00-0475	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	29.54
34 05 43 00-0476	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	35.05
34 05 43 00-0477	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	43.14
34 05 43 00-0478	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.22
34 05 43 00-0479	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	34.92
34 05 43 00-0480	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	41.50
34 05 43 00-0481	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	51.15
34 05 43 00-0482	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	63.05
34 05 43 00-0483	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	41.61
34 05 43 00-0484	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	49.51
34 05 43 00-0485	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	61.08
34 05 43 00-0486	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	75.22
34 05 43 00-0487	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	49.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0488	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	59.50	
34 05 43 00-0489	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	73.50	
34 05 43 00-0490	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	90.46	

34 05 43 00-0491 Welding For Bridge Repair *(34 05 43 00-0408)*

34 05 43 00-0492	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	995.22	
34 05 43 00-0493	LF	3/16" Fillet Welding For Bridge Repair	11.72	
		For Full Penetration Weld, Add	*4.58*	
34 05 43 00-0494	LF	1/4" Fillet Welding For Bridge Repair	17.59	
		For Full Penetration Weld, Add	*6.88*	
34 05 43 00-0495	LF	5/16" Fillet Welding For Bridge Repair	23.46	
		For Full Penetration Weld, Add	*9.17*	
34 05 43 00-0496	LF	3/8" Fillet Welding For Bridge Repair	29.31	
		For Full Penetration Weld, Add	*11.46*	
34 05 43 00-0497	LF	7/16" Fillet Welding For Bridge Repair	34.91	
		For Full Penetration Weld, Add	*13.76*	
34 05 43 00-0498	LF	1/2" Fillet Welding For Bridge Repair	40.72	
		For Full Penetration Weld, Add	*15.92*	
34 05 43 00-0499	LF	9/16" Fillet Welding For Bridge Repair	47.71	
		For Full Penetration Weld, Add	*18.76*	
34 05 43 00-0500	LF	5/8" Fillet Welding For Bridge Repair	52.55	
		For Full Penetration Weld, Add	*20.63*	
34 05 43 00-0501	LF	3/4" Fillet Welding For Bridge Repair	72.16	
		For Full Penetration Weld, Add	*28.20*	
34 05 43 00-0502	LF	7/8" Fillet Welding For Bridge Repair	95.31	
		For Full Penetration Weld, Add	*37.38*	
34 05 43 00-0503	LF	1" Fillet Welding For Bridge Repair	132.07	
		For Full Penetration Weld, Add	*51.58*	

34 05 43 00-0504 Bridge Trough Repair *(34 05 43)*

34 05 43 00-0505	EA	New Bridge Trough Hanger	171.63	21.05
34 05 43 00-0506	EA	Reattach By Welding Existing Bridge Trough Hanger, Top And/Or Bottom	48.26	
34 05 43 00-0507	EA	Replace All Thread For Existing Bridge Trough Hanger	73.99	
34 05 43 00-0508	EA	Replace Steel Angle Attachment For Existing Bridge Trough Hanger	53.17	

34 05 43 00-0509 Spot Paint Removal And Painting, Bridge Structural Steel *(34 05 43)*

34 05 43 00-0510	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor	80.00	
34 05 43 00-0511	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal	158.09	
34 05 43 00-0512	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal	39.53	
34 05 43 00-0513	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes HEPA vacuuming.	210.44	
34 05 43 00-0514	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes HEPA vacuuming.	52.61	
34 05 43 00-0515	CF	Treat and Dispose of Removed Paint Waste	4.03	
34 05 43 00-0516	SF	Flat Surfaces Spot Painting Note: Includes 1 coat primer and 2 coats finish.	41.81	
34 05 43 00-0517	EA	Minimum Charge For Plastic Barrier Enclosure for Paint Removal Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	931.90	
34 05 43 00-0518	SF	Plastic Barrier Enclosure For Paint Removal Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	2.92	

34 05 43 00-0519 End Beam Cleaning And Painting *(34 05 43)*

34 05 43 00-0520	SF	End Beam Cleaning and Painting Note: Includes high pressure wash at minimum 3003 to 5000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC – SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	2.50	
		For Up To 100, Add	*2.50*	
		For >100 To 500, Add	*1.65*	
		For >500 To 3,000, Add	*0.83*	
		For >5,000 To 7,500, Deduct	*-0.44*	
		For >7,500 To 10,000, Deduct	*-0.69*	
		For >10,000, Deduct	*-1.00*	

34 05 43 00-0521 Snow And Pedestrian Fences For Bridges *(34 05 43)*

34 05 43 00-0522 Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0521)*

Note: Includes 1" 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' O.C. Posts exclude installation onto bridge. Heights indicated are for mesh to top.

34 05 43 00-0523 Galvanized Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0522)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0524	LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	28.23	9.08
		For Posts 8' On Centers, Add	*1.61*	
		For Posts 5' On Centers, Add	*6.14*	
		For Up To 100, Add	*5.86*	
		For >100 To 250, Add	*2.23*	
34 05 43 00-0525	LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	30.75	9.52
		For Posts 8' On Centers, Add	*1.74*	
		For Posts 5' On Centers, Add	*6.65*	
		For Up To 100, Add	*6.32*	
		For >100 To 250, Add	*2.39*	
34 05 43 00-0526	LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	33.30	9.98
		For Posts 8' On Centers, Add	*1.88*	
		For Posts 5' On Centers, Add	*7.16*	
		For Up To 100, Add	*6.79*	
		For >100 To 250, Add	*2.56*	
34 05 43 00-0527	LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	35.31	10.43
		For Posts 8' On Centers, Add	*1.99*	
		For Posts 5' On Centers, Add	*7.57*	
		For Up To 100, Add	*7.17*	
		For >100 To 250, Add	*2.70*	
34 05 43 00-0528	LF	>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	39.69	11.35
		For Posts 8' On Centers, Add	*2.23*	
		For Posts 5' On Centers, Add	*8.47*	
		For Up To 100, Add	*7.99*	
		For >100 To 250, Add	*3.00*	

34 05 43 00-0529 Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0522)*

34 05 43 00-0530	LF	4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	29.77	9.08
		For Powder Coated, Add	*2.70*	
		For Aluminum Coated, Add	*5.39*	
		For Posts 8' On Centers, Add	*1.68*	
		For Posts 5' On Centers, Add	*6.42*	
		For Up To 100, Add	*6.09*	
		For >100 To 250, Add	*2.30*	
34 05 43 00-0531	LF	>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	32.69	9.52
		For Powder Coated, Add	*3.12*	
		For Aluminum Coated, Add	*6.24*	
		For Posts 8' On Centers, Add	*1.84*	
		For Posts 5' On Centers, Add	*7.00*	
		For Up To 100, Add	*6.61*	
		For >100 To 250, Add	*2.49*	
34 05 43 00-0532	LF	>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	37.24	9.98
		For Powder Coated, Add	*3.86*	
		For Aluminum Coated, Add	*7.73*	
		For Posts 8' On Centers, Add	*2.08*	
		For Posts 5' On Centers, Add	*7.87*	
		For Up To 100, Add	*7.38*	
		For >100 To 250, Add	*2.76*	
34 05 43 00-0533	LF	>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	39.89	10.43
		For Powder Coated, Add	*4.23*	
		For Aluminum Coated, Add	*8.46*	
		For Posts 8' On Centers, Add	*2.22*	
		For Posts 5' On Centers, Add	*8.40*	
		For Up To 100, Add	*7.86*	
		For >100 To 250, Add	*2.93*	
34 05 43 00-0534	LF	>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	45.04	11.35
		For Powder Coated, Add	*4.94*	
		For Aluminum Coated, Add	*9.87*	
		For Posts 8' On Centers, Add	*2.50*	
		For Posts 5' On Centers, Add	*9.43*	
		For Up To 100, Add	*8.79*	
		For >100 To 250, Add	*3.27*	

34 05 43 00-0535 Bridge Connection Mounting For Snow And Pedestrian Fence Assembly *(34 05 43 00-0522)*

34 05 43 00-0536	EA	Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts Note: Includes drilling into steel post.	42.79
34 05 43 00-0537	EA	Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	25.10
34 05 43 00-0538	EA	Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	60.04
34 05 43 00-0539	EA	Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	66.38
34 05 43 00-0540	EA	Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	89.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 10 Guideways/Railways *(34)*

34 11 Rail Tracks *(34 10)*

34 11 93 Track Appurtenances And Accessories *(34 11)*

34 11 93 00-0001 Railroad Crossings *(34 11 93)*

34 11 93 00-0002 Asphalt Railroad Crossings *(34 11 93 00-0001)*
Note: Based on 8" thickness x 20' including track and approach.

34 11 93 00-0003	EA	8" Asphalt Railroad Crossing, 12' Roadway 6 CY	1,874.65	263.54
34 11 93 00-0004	EA	8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	2,216.69	298.68
34 11 93 00-0005	EA	8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	2,622.61	351.38
34 11 93 00-0006	EA	8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	3,108.83	421.67
34 11 93 00-0007	EA	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	3,735.60	527.08

34 11 93 00-0008 Railroad Crossings - Precast Concrete Inserts *(34 11 93 00-0001)*
Note: Based on 6" thickness x standard rail width gauge.

34 11 93 00-0009	EA	Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	3,116.65	121.62
34 11 93 00-0010	EA	Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	3,895.81	147.69
34 11 93 00-0011	EA	Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	4,670.67	182.44
34 11 93 00-0012	EA	Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	5,446.64	208.50
34 11 93 00-0013	EA	Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	6,221.90	243.25

34 11 93 00-0014 Molded Rubber Railroad Crossings With Headers *(34 11 93 00-0001)*
Note: Based on 3' x 8'-6" sections.

34 11 93 00-0015	EA	Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	2,912.71	121.62
34 11 93 00-0016	EA	Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	3,453.23	147.69
34 11 93 00-0017	EA	Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	3,989.45	182.44
34 11 93 00-0018	EA	Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	4,526.77	208.50
34 11 93 00-0019	EA	Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	5,063.39	243.25

34 11 93 00-0020 Railroad Trackage Demolition *(34 11 93)*

34 11 93 00-0021	CY	Remove Railroad Track Ballast	7.17	
34 11 93 00-0022	LF	Remove Railroad Track Rail And Spikes	17.94	
34 11 93 00-0023	EA	Remove/Dispose Of Concrete Post Footings	102.44	
34 11 93 00-0024	EA	Backfill Holes From Post Removal	42.69	

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 Traffic Signals *(34 41 13)*

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	4,996.38	594.36

34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	342.17	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	427.16	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	474.18	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	420.14	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	729.00	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	905.21	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	953.39	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,204.16	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,275.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,397.29	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,484.53	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	5.61	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	2.60	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	156.57	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	420.93	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	265.82	
34 41 13 00-0020		**Overhead Traffic Signals** *(34 41 13)*		
34 41 13 00-0021	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	3,639.85	792.49
34 41 13 00-0022	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	3,739.06	792.49
34 41 13 00-0023	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	3,873.29	792.49
34 41 13 00-0024	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	696.59	180.37
34 41 13 00-0025	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	754.95	180.37
34 41 13 00-0026	EA	Optical Detector For Mast Arm Mounting, 2 Channel	946.37	180.37
34 41 13 00-0027	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	696.59	180.37
34 41 13 00-0028	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	754.95	180.37
34 41 13 00-0029	EA	Optical Detector For Pole-Side Mounting, 2 Channel	946.37	180.37
34 41 13 00-0030	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	696.59	180.37
34 41 13 00-0031	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	754.95	180.37
34 41 13 00-0032	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	946.37	180.37
34 41 13 00-0033	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	696.59	180.37
34 41 13 00-0034	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	754.95	180.37
34 41 13 00-0035	EA	Optical Detector For Span Wire Mounting, 2 Channel	946.37	180.37
34 41 13 00-0036	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	696.59	180.37
34 41 13 00-0037	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	754.95	180.37
34 41 13 00-0038	EA	Optical Detector For Signal Top Mounting, 2 Channel	946.37	180.37
34 41 13 00-0039	EA	Phase Selector, 2 Channel	2,000.15	22.55
34 41 13 00-0040	EA	Phase Selector, 4 Channel	3,103.15	22.55
34 41 13 00-0041	EA	Malfunction Management Unit For Use With NEMA Controller	1,023.95	45.09
34 41 13 00-0042	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller	1,023.95	45.09
34 41 13 00-0043	EA	Time Switch, 1-Circuit	129.91	27.06
34 41 13 00-0044	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	206.97	11.27
34 41 13 00-0045	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	268.83	11.27
34 41 13 00-0046	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	379.71	11.27
34 41 13 00-0047	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	475.42	11.27
34 41 13 00-0048	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	1,280.79	11.27
34 41 13 00-0049	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	1,280.79	11.27
34 41 13 00-0050	EA	Power Line Surge Protector	121.37	6.76
34 41 13 00-0051	EA	Loop Detector Surge Protector	63.54	6.76
34 41 13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	8,070.38	1,114.43
34 41 13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	8,735.68	1,114.43
34 41 13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	9,535.21	1,114.43
34 41 13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	9,780.32	1,114.43
34 41 13 00-0056	EA	Speed Limit Beacon Control Option	3,512.36	297.18
34 41 13 00-0057	EA	Speed Limit Beacon Control Cabinet	4,106.73	594.36
34 41 13 00-0058	EA	Remote Detector Cabinet	2,297.57	594.36
34 41 13 00-0059	EA	Traffic Signal Hand Control	606.64	99.06
34 41 13 00-0060	EA	Load Switch	59.05	6.76
34 41 13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly	489.92	99.06
34 41 13 00-0062	EA	Fiber Optic Transceivers-Repeater Module	671.80	180.37
34 41 13 00-0063	EA	Field Transceiver-Repeater	293.19	45.09
34 41 13 00-0064	EA	30" Pedestal With Base Plate And Cover	521.22	90.69
34 41 13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal)	606.49	94.81
34 41 13 00-0066	EA	8' Pedestal With Base Plate And Cover	754.39	106.36
34 41 13 00-0067	EA	11' Pedestal With Base Plate And Cover	838.44	115.42
34 41 13 00-0068	EA	15' Pedestal With Base Plate And Cover	935.62	137.69
34 41 13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.03	
34 41 13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.12	
34 41 13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.27	
34 41 13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.43	
34 41 13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.58	
34 41 13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.83	
34 41 13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.05	
34 41 13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.45	
34 41 13 00-0077	LF	3/16" Diameter Messenger Cable	0.47	0.08
34 41 13 00-0078	LF	1/4" Diameter Messenger Cable	0.56	0.08
34 41 13 00-0079	LF	3/8" Diameter Messenger Cable	1.03	0.08
34 41 13 00-0080	LF	1/2" Diameter Messenger Cable	2.13	0.17
34 41 13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	1,901.48	
34 41 13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	3,029.46	
34 41 13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	1,610.13	198.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	1,989.33	247.65
34 41 13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	2,181.75	297.18
34 41 13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	2,467.56	346.72
34 41 13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	2,660.01	396.24
34 41 13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	2,492.53	198.12
34 41 13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	3,072.49	247.65
34 41 13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	3,330.28	297.18
34 41 13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	3,728.14	346.72
34 41 13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	4,013.96	396.24
34 41 13 00-0093	EA	Photoelectric Controller, Multi-Volt	64.41	23.45
34 41 13 00-0094	EA	Photoelectric Controller, 120 Volt	74.04	23.45
34 41 13 00-0095	EA	Photoelectric Controller, 480 Volt	74.04	23.45
34 41 13 00-0096	EA	Wi-Fi Communication Unit	838.91	99.06
34 41 13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket	206.95	74.30
34 41 13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector	179.60	49.53
34 41 13 00-0099	EA	Wi-Fi Communication Unit Packet	1,225.46	148.59
34 41 13 00-0100	LF	Preemptor Detector Cable	1.75	
34 41 13 00-0101	EA	Sno-Shoe Cable Storage Assembly	161.96	
34 41 13 00-0102	EA	16' Pedestal With Base Plate And Cover	984.25	137.69
34 41 13 00-0103	EA	Vehicle Signal Face, LED, 1 - 12" Section	370.50	126.30
34 41 13 00-0104	EA	Vehicle Signal Face, LED, 2 - 12" Sections	588.89	178.31
34 41 13 00-0105	EA	Vehicle Signal Face, LED, 3 - 12" Sections	809.36	217.94
34 41 13 00-0106	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	774.35	217.94
34 41 13 00-0107	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,010.64	242.70
34 41 13 00-0108	EA	Vehicle Signal Face, LED, 5 - 12" Sections	1,192.10	257.56
34 41 13 00-0109	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	1,259.79	257.56
34 41 13 00-0110	EA	Vehicle Signal Face, LED, 1 - 8" Section	352.99	126.30
34 41 13 00-0111	EA	Vehicle Signal Face, LED, 2 - 8" Sections	553.88	178.31
34 41 13 00-0112	EA	Vehicle Signal Face, LED, 3 - 8" Sections	724.16	217.94
34 41 13 00-0113	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	767.34	217.94
34 41 13 00-0114	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	935.94	242.70
34 41 13 00-0115	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	911.43	242.70
34 41 13 00-0116	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,063.70	257.56
34 41 13 00-0117	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,118.56	257.56
34 41 13 00-0118	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	1,533.03	217.94
34 41 13 00-0119	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	1,982.92	242.70
34 41 13 00-0120	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	2,557.72	257.56
34 41 13 00-0121	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	2,761.98	257.56
34 41 13 00-0122	EA	Bracket Signal Mounting Assembly	345.19	99.06
34 41 13 00-0123	EA	Mast Arm Signal Mounting Assembly	622.68	198.12
34 41 13 00-0124	EA	Top Pole Signal Mounting Assembly	220.96	74.30
34 41 13 00-0125	EA	Pedestrian Signal Head	612.32	148.59
34 41 13 00-0126	EA	Pedestrian Signal Insert	369.19	74.30
34 41 13 00-0127	EA	Audible Pedestrian Signal	936.35	
34 41 13 00-0128	EA	Junction Box, Pole Or Post Mounted	379.19	
34 41 13 00-0129	EA	Pedestrian Push Button	347.78	
34 41 13 00-0130	EA	Illuminated Sign, Bracket Mounted, Symbolic	2,700.63	
34 41 13 00-0131	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	2,822.54	
34 41 13 00-0132	EA	Sign, Message, "BLANK OUT", Bracket Mounted	2,967.58	
34 41 13 00-0133	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	3,157.93	
34 41 13 00-0134	EA	Sign, Fiber Optic, Bracket Mounted	3,372.32	
34 41 13 00-0135	EA	Sign, Fiber Optic, Mast Arm Mounted	3,566.69	
34 41 13 00-0136	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	5,091.49	
34 41 13 00-0137	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	5,905.86	
34 41 13 00-0138	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	2,873.05	
34 41 13 00-0139	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	3,187.48	
34 41 13 00-0140	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	3,308.01	
34 41 13 00-0141	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,308.01	
34 41 13 00-0142	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,371.29	
34 41 13 00-0143	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,687.70	
34 41 13 00-0144	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,760.46	
34 41 13 00-0145	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	3,909.64	
34 41 13 00-0146	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	4,144.60	
34 41 13 00-0147	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	3,058.02	
34 41 13 00-0148	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	5,421.64	
34 41 13 00-0149	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	6,081.94	
34 41 13 00-0150	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	6,335.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0151	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	6,335.06	
34 41 13 00-0152	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	7,132.37	
34 41 13 00-0153	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	7,438.02	
34 41 13 00-0154	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	7,758.92	
34 41 13 00-0155	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	8,264.38	
34 41 13 00-0156	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,300.97	
34 41 13 00-0157	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	7,071.32	
34 41 13 00-0158	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,366.64	
34 41 13 00-0159	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,366.64	
34 41 13 00-0160	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,296.82	
34 41 13 00-0161	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,653.41	
34 41 13 00-0162	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	9,027.81	
34 41 13 00-0163	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,617.49	
34 41 13 00-0164	EA	15' Steel Straight Mast Arm, MONOTUBE	2,107.00	
34 41 13 00-0165	EA	20' Steel Straight Mast Arm, MONOTUBE	2,213.30	
34 41 13 00-0166	EA	25' Steel Straight Mast Arm, MONOTUBE	2,367.44	
34 41 13 00-0167	EA	30' Steel Straight Mast Arm, MONOTUBE	3,180.81	
34 41 13 00-0168	EA	35' Steel Straight Mast Arm, MONOTUBE	3,823.13	
34 41 13 00-0169	EA	40' Steel Straight Mast Arm, MONOTUBE	4,102.40	
34 41 13 00-0170	EA	45' Steel Straight Mast Arm, MONOTUBE	4,513.65	
34 41 13 00-0171	EA	50' Steel Straight Mast Arm, MONOTUBE	5,122.96	
34 41 13 00-0172	EA	55' Steel Straight Mast Arm, MONOTUBE	5,839.09	
34 41 13 00-0173	EA	60' Steel Straight Mast Arm, MONOTUBE	6,314.59	
34 41 13 00-0174	EA	65' Steel Straight Mast Arm, MONOTUBE	7,324.49	
34 41 13 00-0175	EA	4' Steel Curved Luminaire Mast Arm	723.84	
		For High Rise Arm, Add	*58.80*	
		For High Rise Straight Arm, Add	*47.04*	
34 41 13 00-0176	EA	6' Steel Curved Luminaire Mast Arm	940.10	
		For High Rise Arm, Add	*78.61*	
		For High Rise Straight Arm, Add	*62.89*	
34 41 13 00-0177	EA	8' Steel Curved Luminaire Mast Arm	1,176.18	
		For High Rise Arm, Add	*98.42*	
		For High Rise Straight Arm, Add	*78.73*	
34 41 13 00-0178	EA	10' Steel Curved Luminaire Mast Arm	1,620.68	
		For High Rise Arm, Add	*115.71*	
		For High Rise Straight Arm, Add	*92.57*	
34 41 13 00-0179	EA	12' Steel Curved Luminaire Mast Arm	1,786.43	
		For High Rise Arm, Add	*136.46*	
		For High Rise Straight Arm, Add	*109.17*	
34 41 13 00-0180	EA	15' Steel Curved Luminaire Mast Arm	1,863.84	
		For High Rise Arm, Add	*152.18*	
		For High Rise Straight Arm, Add	*121.75*	
34 41 13 00-0181	EA	20' Steel Curved Luminaire Mast Arm	2,114.78	
		For High Rise Arm, Add	*181.74*	
34 41 13 00-0182	EA	15' Tubular Aluminum Post	767.08	
34 41 13 00-0183	EA	17' Tubular Aluminum Post	818.04	
34 41 13 00-0184	EA	20' Tubular Aluminum Post	910.60	
34 41 13 00-0185	EA	CUT-OFF POLE AND CAPPED	138.07	
34 41 13 00-0186	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	41.16	
34 41 13 00-0187	EA	PAINT EXISTING TS POST COMPLETE	195.70	
34 41 13 00-0188	EA	1 Channel Loop Detector Amp	1,136.48	
34 41 13 00-0189	EA	4 Channel Loop Detector Amp	2,137.48	
34 41 13 00-0190	EA	FLASHING BEACON WITH DOWNLIGHT	1,635.16	
34 41 13 00-0191	EA	Flashing Beacon, Bracket Mounted	569.96	
34 41 13 00-0192	EA	Flashing Beacon, Mast Arm Mounted	569.96	
34 41 13 00-0193	EA	Flashing Beacon, Solar Powered, Bracket Mounted	14,360.70	
34 41 13 00-0194	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	2,152.67	
34 41 13 00-0195	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	1,167.49	
34 41 13 00-0196	EA	Smart Sensor HD (Wavetronix HD125)	6,107.02	
34 41 13 00-0197	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	2,837.34	
34 41 13 00-0198	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	4,892.94	
34 41 13 00-0199	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	185.99	
34 41 13 00-0200	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,300.96	
34 41 13 00-0201	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	601.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0202	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	1,514.57	
34 41 13 00-0203	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	4,287.02	1.32
34 41 13 00-0204	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	5,577.40	1.32
34 41 13 00-0205	EA	Pole Base Foundation for Type 15 and 21 Poles	3,366.39	1.32
34 41 13 00-0206	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	4,287.02	1.32
34 41 13 00-0207	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	5,577.40	1.32
34 41 13 00-0208	EA	Service Equipment Enclosure, Type III-AF	796.75	
34 41 13 00-0209	EA	12", 3 Section Signal, Mast Arm Mounted	1,111.87	
34 41 13 00-0210	EA	8", 3 Section Signal, Mast Arm Mounted	993.62	
34 41 13 00-0211	EA	12" FCV Visor	59.31	
34 41 13 00-0212	EA	8" FCV Visor	43.75	
34 41 13 00-0213	EA	Eggcrate Visor	57.39	
34 41 13 00-0214	EA	Pedestrian H/M	690.55	
34 41 13 00-0215	EA	Pedestrian Audio	747.90	
34 41 13 00-0216	EA	Adjustable Pushbutton	202.58	
34 41 13 00-0217	EA	ADA Cap And Switch	245.42	
34 41 13 00-0218	EA	3 Section 12" Backplate	98.25	
34 41 13 00-0219	EA	3 Section 12" MAS Mount Backplate	145.06	
34 41 13 00-0220	EA	3 Section 8" Backplate	80.25	
34 41 13 00-0221	EA	12" Red LED Lenses	164.63	
34 41 13 00-0222	EA	12" Amber LED Lenses	175.34	
34 41 13 00-0223	EA	12" Green LED Lenses	292.85	
34 41 13 00-0224	EA	12" Red Arrow	163.77	
34 41 13 00-0225	EA	12" Amber Arrow	155.92	
34 41 13 00-0226	EA	12" Green Arrow	224.66	
34 41 13 00-0227	EA	8" Red	162.18	
34 41 13 00-0228	EA	8" Amber	156.39	
34 41 13 00-0229	EA	8" Green	184.97	
34 41 13 00-0230	EA	Hand/Man	276.23	
34 41 13 00-0231	EA	Frameworks, 8" TV-1-T	337.46	
34 41 13 00-0232	EA	Frameworks, 8" TV-2-T	379.07	
34 41 13 00-0233	EA	Frameworks, MAT MT	103.64	
34 41 13 00-0234	EA	Frameworks, MAS MT	111.97	
34 41 13 00-0235	EA	Frameworks, 3W PT TC	260.67	
34 41 13 00-0236	EA	Frameworks, 2W PT TC	224.53	
34 41 13 00-0237	EA	Frameworks, 2W SM TC	213.43	
34 41 13 00-0238	EA	Frameworks, SV-1	143.67	
34 41 13 00-0239	EA	Frameworks, TV-1	139.51	
34 41 13 00-0240	EA	Type III Service Pedestal	2,538.96	
34 41 13 00-0241	EA	Single Fuse Holder	27.79	
34 41 13 00-0242	EA	Double Fuse Holder	62.72	
34 41 13 00-0243	EA	Pullbox, 1-1/2" x 20" x 14"	64.73	
34 41 13 00-0244	EA	Pullbox, 5" x 28" x 18"	85.92	
34 41 13 00-0245	EA	Pullbox, 6" x 36" x 23"	111.16	
34 41 13 00-0246	EA	Pullbox Lids, FL9D	62.34	
34 41 13 00-0247	EA	Pullbox Lids, FL30D	113.46	
34 41 13 00-0248	EA	Pullbox Lids, FL36D	31.19	
34 41 13 00-0249	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,089.53	82.44
34 41 13 00-0250	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	3,217.83	494.69
34 41 13 00-0251	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	10,538.04	329.79
34 41 13 00-0252	EA	Power Control Unit With Enclosure (A/C)	6,823.99	329.79
34 41 13 00-0253	EA	Push Button Assembly With Sign	676.54	164.90
34 41 13 00-0254	EA	Advanced Warning Signs	1,246.74	164.90
34 41 13 00-0255	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	2,558.62	
34 41 13 00-0256	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	3,858.26	
34 41 13 00-0257	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	4,005.00	
34 41 13 00-0258	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	5,418.07	
34 41 13 00-0259	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	5,702.92	
34 41 13 00-0260	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	4,492.26	
34 41 13 00-0261	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	4,014.47	
34 41 13 00-0262	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	3,291.81	
34 41 13 00-0263	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	13,833.39	
34 41 13 00-0264	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	16,068.85	

34 41 13 00-0265 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0266	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.50	0.69
34 41 13 00-0267	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.64	0.74
34 41 13 00-0268	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.79	0.79
34 41 13 00-0269	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	1.93	0.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0270	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.09	0.88
34 41 13 00-0271	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.39	0.98
34 41 13 00-0272	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	2.78	1.13
34 41 13 00-0273	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.18	1.28
34 41 13 00-0274	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	3.68	1.42
34 41 13 00-0275	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	4.24	1.58
34 41 13 00-0276	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.52	0.69
34 41 13 00-0277	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.68	0.74
34 41 13 00-0278	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.85	0.79
34 41 13 00-0279	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	1.99	0.84
34 41 13 00-0280	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.17	0.88
34 41 13 00-0281	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.49	0.98
34 41 13 00-0282	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	2.91	1.13
34 41 13 00-0283	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.33	1.28
34 41 13 00-0284	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	3.89	1.42
34 41 13 00-0285	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	4.51	1.58
34 41 13 00-0286	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.59	0.69
34 41 13 00-0287	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.78	0.74
34 41 13 00-0288	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.98	0.79
34 41 13 00-0289	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.14	0.84
34 41 13 00-0290	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.36	0.88
34 41 13 00-0291	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.74	0.98
34 41 13 00-0292	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.22	1.13
34 41 13 00-0293	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.70	1.28
34 41 13 00-0294	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.38	1.42
34 41 13 00-0295	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	5.17	1.58

34 41 13 00-0296 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0297	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,183.05	149.28
34 41 13 00-0298	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,205.22	149.28
34 41 13 00-0299	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,581.67	149.28
34 41 13 00-0300	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,652.62	149.28
34 41 13 00-0301	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	6,649.33	149.28
34 41 13 00-0302	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,927.39	149.28

34 41 13 00-0303 Traffic Light Control Synchronization *(34 41 13)*

34 41 13 00-0304	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	2,796.11	
34 41 13 00-0305	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	2,110.61	
34 41 13 00-0306	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	5,002.10	
34 41 13 00-0307	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	3,346.55	
34 41 13 00-0308	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	3,346.55	
34 41 13 00-0309	EA	Solar Cabinet Assembly	9,279.97	
34 41 13 00-0310	EA	Data Controller Interface Cable Assembly	384.74	
34 41 13 00-0311	EA	900 MHZ Splitter	422.69	
34 41 13 00-0312	EA	900 MHz Surge Suppressor	149.70	
34 41 13 00-0313	EA	Surge-Radio Lead in Cable	94.02	
34 41 13 00-0314	EA	12DB GAIN YAGI Antenna	454.71	
34 41 13 00-0315	EA	PELCO Antenna Mounting Bracket	319.43	
34 41 13 00-0316	MLF	Coaxial Cable, LMR-400	2,286.64	
34 41 13 00-0317	EA	Perle 16 Port Serial Server	2,670.85	
34 41 13 00-0318	EA	Serial to Ethernet Card	1,311.75	
34 41 13 00-0319	EA	404 Stand Alone Modem (GDI 404)	1,154.44	

34 41 13 00-0320 Traffic Signal Controls *(34 41 13)*

34 41 13 00-0321	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,055.52	
34 41 13 00-0322	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	403.02	
34 41 13 00-0323	EA	AccessBox for contract closure master card (CC-ACC)	144.47	
34 41 13 00-0324	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	560.63	
34 41 13 00-0325	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F)	560.63	
34 41 13 00-0326	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	87.26	
34 41 13 00-0327	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	233.59	

34 41 16 Traffic Control Equipment *(34 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0001		Transportation Control Equipment *(34 41 16)*		
34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	7,080.76	684.70
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	7,159.64	724.13
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,722.43	732.65
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,369.33	889.56
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,518.32	438.84
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,444.21	480.44
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	15,555.21	755.33
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	16,557.14	837.06
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	23,682.63	941.08
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	18,762.31	891.54
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	555.19	104.71
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	506.16	157.21
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	250.66	125.32
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	438.96	207.34
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	7,900.56	282.22
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	19,083.77	423.45

34 70 Transportation Construction And Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001		Concrete Median Barrier *(34 71 13 13)*		
34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	40.59	3.15
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	42.93	3.15
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	46.63	3.15
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	32.45	5.03
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	24.90	2.54

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001		Impact Barrier, Non-Redirective *(34 71 13 16)*		
34 71 13 16-0002		Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel Note: Includes containers, inserts, and lid.	1,022.08	39.18
34 71 13 16-0004	EA	1400 LB Sand Barrel Note: Includes containers, inserts, and lid.	925.17	45.99
34 71 13 16-0005	EA	2100 LB Sand Barrel Note: Includes containers, inserts, and lid.	989.02	52.80
34 71 13 16-0006		Sand For Sand Barrel Impact Attenuator *(34 71 13 16-0001)*		
34 71 13 16-0007	LB	Sand for Sand Barrels	0.09	

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001		Mobilize Guide Rail Crew *(34 71 13 26)*		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	991.42	
34 71 13 26-0003		Corrugated Beam Guide Rail *(34 71 13 26)*		
34 71 13 26-0004		Corrugated Beam Guide Railing *(34 71 13 26-0003)*		
34 71 13 26-0005		Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	6.73	1.77
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	7.12	1.77
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	8.26	1.77
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	8.80	1.77
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	18.53	1.77
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	20.06	1.77
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	60.45	23.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	62.53	23.36
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	72.97	23.36
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	75.05	23.36
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	72.97	23.36
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	75.05	23.36
34 71 13 26-0020		**Corrugated Beam Guide Rail End Terminal Systems** *(34 71 13 26-0003)*		
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B & C	1,390.72	143.23
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	1,182.07	143.23
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	1,390.72	143.23
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	246.51	67.52
34 71 13 26-0025	EA	Terminal Support System, Type SFT	627.78	180.54
34 71 13 26-0026	EA	Terminal Support System, Type ET	2,856.16	510.96
34 71 13 26-0027	EA	Terminal Support System, Type SRT	3,072.30	510.96
34 71 13 26-0028		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware.		
34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail	48.37	11.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	50.46	11.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0031	EA	Extra Long Post for Corrugated Beam Guide Rail	52.55	11.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	54.63	11.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	48.37	11.25
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	65.07	11.25
		For Installation In Rock, Add	*3.00*	
34 71 13 26-0035		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	48.37	11.25
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	50.46	11.25
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	52.55	11.25
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	54.63	11.25
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0040	EA	Type A Post 1630mm Post	47.33	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic)	49.42	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type B Post 1460mm	45.24	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic)	47.33	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044	EA	Type C Post 1290mm	43.16	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic)	45.24	11.25
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	153.03	11.25
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	25.42	11.25
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	56.27	26.55
34 71 13 26-0050		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	10.38	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail	35.41	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post	6.02	
34 71 13 26-0054		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0055		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing	13.63	2.23
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic)	14.27	2.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0058		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing	16.18	2.23
34 71 13 26-0060	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	16.81	2.23
34 71 13 26-0061		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0054)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0062	EA	Standard Post For Corrugated Thrie Beam Guide Rail	48.88	2.23
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0063	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	50.97	2.23
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0064		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065		**Timber Guide Rail Posts** *(34 71 13 26-0064)*		
34 71 13 26-0066	EA	6" x 8" Timber Guide Rail Post	64.35	8.85
34 71 13 26-0067	EA	6" x 9" Timber Guide Rail Post	72.79	8.85
34 71 13 26-0068	EA	10" x 10" Timber Guide Rail Post	138.95	8.85
34 71 13 26-0069	EA	10" x 12" Timber Guide Rail Post	146.84	8.85
34 71 13 26-0070	EA	12" x 12" Timber Guide Rail Post	169.32	8.85
34 71 13 26-0071		**Timber Guide Rails** *(34 71 13 26-0064)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF	4" x 9" Timber Guide Rail	7.97	1.07
34 71 13 26-0073	LF	6" x 10" Timber Guide Rail	11.01	1.07
34 71 13 26-0074	LF	6" x 12" Timber Guide Rail	12.79	1.07
34 71 13 26-0075		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0076	EA	4" x 9" Spacer Block For Timber Guide Rails	10.39	1.42
34 71 13 26-0077	EA	6" x 8" Spacer Block For Timber Guide Rails	11.85	1.42
34 71 13 26-0078	EA	8" x 8" Spacer Block For Timber Guide Rails	13.71	1.42
34 71 13 26-0079		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0080	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	13.94	0.89
34 71 13 26-0081		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0082	EA	Weathering Steel Splice Plate For Timber Guide Rails	99.98	12.39
34 71 13 26-0083	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	63.23	8.85
34 71 13 26-0084		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0085		**Cable Guide Rail** *(34 71 13 26-0084)*		
34 71 13 26-0086	LF	Cable (Each Cable)	4.33	1.91
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087	EA	Cable Splice With Wedges	80.30	13.28
34 71 13 26-0088		**Cable Guide Rail Posts** *(34 71 13 26-0084)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA	Standard Post for Cable Guide Rail	81.28	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0090	EA	Standard Post (Rustic) for Cable Guide Rail	83.36	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0091	EA	Extra Long Post for Cable Guide Rail	83.36	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0092	EA	Extra Long Post (Rustic) for Cable Guide Rail	85.45	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0093	EA	Slip Impact Post Top for Anchor Unit	45.03	14.99
34 71 13 26-0094	EA	Slip Impact Post Base and Keeper Plate	97.19	14.99
		Note: For anchor unit.		
34 71 13 26-0095		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0084)*		
34 71 13 26-0096	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	307.46	177.39
34 71 13 26-0097	EA	Turnbuckle Cable End Assembly	53.56	8.87
34 71 13 26-0098	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	151.94	4.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0099	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	156.11	4.41
34 71 13 26-0100	EA	Breakaway Anchor Angle	66.08	8.87
34 71 13 26-0101	EA	Standard End Post Cap Assembly	30.92	4.41
34 71 13 26-0102	EA	Driveway End Post Cap Assembly	26.74	4.41
34 71 13 26-0103	EA	End Post Ground Support Plates	16.31	4.41
34 71 13 26-0104	EA	11" Stud Bolt, Cable Guide Rail	14.75	4.41
34 71 13 26-0105	EA	18" Stud Bolt, Cable Guide Rail	16.83	4.41
34 71 13 26-0106	EA	25" Stud Bolt, Cable Guide Rail	18.92	4.41
34 71 13 26-0107	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	137.02	8.87
34 71 13 26-0108	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	145.37	8.87
34 71 13 26-0109	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	99.46	8.87
34 71 13 26-0110	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	60.13	4.41
34 71 13 26-0111	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	66.08	8.87
34 71 13 26-0112	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	74.04	13.28
34 71 13 26-0113		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0084)*		
34 71 13 26-0114	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	114.76	12.52
34 71 13 26-0115	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	214.91	12.52
34 71 13 26-0116	EA	Anchor Angle For Slip Impact Post System	70.94	12.52
34 71 13 26-0117	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	60.51	12.52
34 71 13 26-0118		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0084)* Note: All tasks include associated hardware.		
34 71 13 26-0119	LF	Retention Existing Cable (Each Cable)	1.18	
34 71 13 26-0120	LF	Removal And Storage Of Cable Guide Railing	7.13	
34 71 13 26-0121	EA	Install Stored Post For Cable Guide Railing	49.98	
34 71 13 26-0122	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	3.16	
34 71 13 26-0123		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0124		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0123)*		
34 71 13 26-0125		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0126	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	16.02	2.23
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0127	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	17.93	2.23
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0128		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0129	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	23.33	2.23
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0130	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	25.24	2.23
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0131		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0123)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0132	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	244.06	26.55
34 71 13 26-0133	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	267.01	26.55
34 71 13 26-0134	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	231.54	26.55
34 71 13 26-0135	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	239.89	26.55
34 71 13 26-0136		**Splices For Box Beam Guide Rail** *(34 71 13 26-0123)*		
34 71 13 26-0137	EA	Splice For Box Beam Guide Rail	110.14	39.42
34 71 13 26-0138	EA	Splice For Box Beam Guide Rail (Rustic)	124.74	39.42
34 71 13 26-0139		**Box Beam Guide Rail Posts** *(34 71 13 26-0123)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0140	EA	Standard Post For Box Beam Guide Rail	83.36	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0141	EA	Standard Post (Rustic) for Box Beam Guide Railing	85.45	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0142	EA	Extra Long Post For Box Beam Guide Rail	87.54	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0143	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	89.62	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0144	EA	Type I End Assembly Post	81.28	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0145	EA	Type I End Assembly Post (Rustic)	83.36	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0146	EA	Type II End Assembly Post	79.19	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0147	EA	Type II End Assembly Post (Rustic)	81.28	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	

34 71 13 26-0148 Box Beam Guide Rail Accessories *(34 71 13 26-0123)*

34 71 13 26-0149	EA	Box Beam Guide Rail End Cover Plate	35.67	7.96
34 71 13 26-0150	EA	Box Beam Guide Rail End Cover Plate (Rustic)	37.75	7.96

34 71 13 26-0151 Box Beam Guide Railing Repair, And Resetting *(34 71 13 26-0123)*

Note: For existing guide rail.

34 71 13 26-0152	LF	Removal And Storage Of Box Beam Guide Rail And Post	3.50	
34 71 13 26-0153	LF	Reset Box Beam Guide Rail	10.21	

34 71 13 26-0154 6" x 8" Box Beam Median Barrier *(34 71 13 26)*

34 71 13 26-0155 Box Beam Median Barrier, 6" x 8" *(34 71 13 26-0154)*

34 71 13 26-0156 Straight Sections, Box Beam Median Barrier *(34 71 13 26-0155)*

34 71 13 26-0157	LF	Box Beam Median Barrier Galvanized Excludes Splices	30.66	7.96
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0158	LF	Box Beam Median Barrier (Rustic) Excludes Splices	32.57	7.96
		For Flush Mounting Directly To Structure, Add	*1.83*	

34 71 13 26-0159 Shop Curved, Box Beam Median Barrier *(34 71 13 26-0155)*

34 71 13 26-0160	LF	Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices.	35.68	7.96
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0161	LF	Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices.	41.94	7.96
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	

34 71 13 26-0162 Box Beam Median Barrier End Treatment Sections *(34 71 13 26-0154)*

Note: Includes rail, end cover plate and hardware. Excludes posts.

34 71 13 26-0163	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	742.73	26.55
34 71 13 26-0164	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic) Note: Excludes splices and post.	759.43	26.55
34 71 13 26-0165	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	742.73	26.55
34 71 13 26-0166	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic) Note: Excludes splices and post.	759.43	26.55

34 71 13 26-0167 Splices For Box Beam Median Barrier *(34 71 13 26-0154)*

34 71 13 26-0168	EA	Splice for Box Beam Median Barrier	74.23	21.24
34 71 13 26-0169	EA	Splice for Box Beam Median Barrier (Rustic)	105.53	21.24

34 71 13 26-0170 Box Beam Median Barrier Posts Driven With Soil Plate *(34 71 13 26-0154)*

Note: Includes all associated hardware.

34 71 13 26-0171	EA	Standard Post for Box Beam Median Barrier	83.36	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0172	EA	Standard Post (Rustic) for Box Beam Median Barrier	85.45	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0173	EA	Extra Long Post for Box Beam Median Barrier	87.54	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0174	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	89.62	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0175	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier.	79.19	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0176	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier.	79.19	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0177	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition.	87.54	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0178	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition.	89.62	37.48
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*10.00*	
34 71 13 26-0179		Box Beam Median Barrier Accessories *(34 71 13 26-0154)*		
34 71 13 26-0180	EA	Box Beam Median Barrier End Cover Plate	54.41	18.69
34 71 13 26-0181	EA	Box Beam Median Barrier End Cover Plate (Rustic)	56.50	18.69
34 71 13 26-0182		Box Beam Median Barrier Repair, And Resetting *(34 71 13 26-0154)* Note: For existing guide rail.		
34 71 13 26-0183	LF	Remove and Store Box Beam Median Barrier and Posts	3.62	
34 71 13 26-0184	LF	Reset Box Beam Median Barrier	10.69	
34 71 13 26-0185		Universal Guide Rail Items *(34 71 13 26)*		
34 71 13 26-0186		Guide Rail Concrete Anchor Units For All Types Of Guide Rail *(34 71 13 26-0185)* Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0187	CY	Guide Rail Concrete Anchor Unit	563.60	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0188	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	406.09	
34 71 13 26-0189	EA	Removal Of Guide Rail Concrete Anchor Unit	415.20	
34 71 13 26-0190		Guide Rail Repair For All Types Of Existing Guide Rail *(34 71 13 26-0185)* Note: All tasks include associated hardware.		
34 71 13 26-0191	EA	Straighten And Reset Driven Post For Guide Rail	49.98	
34 71 13 26-0192	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	52.98	
34 71 13 26-0193		Additional Wood and Steel Posts *(34 71 13 26-0185)*		
34 71 13 26-0194	LF	4" x 6" Wood Post	26.60	12.52
		For Installation In Rock, Add	*3.34*	
34 71 13 26-0195	LF	6" x 8" Wood Post	29.73	12.52
		For Installation In Rock, Add	*3.34*	
34 71 13 26-0196	LF	6" x 7/8" Steel Post Galvanized	22.60	12.52
		For Installation In Rock, Add	*3.34*	
34 71 13 26-0197	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	159.92	12.52
34 71 13 26-0198		Accessories For All Types of Guide Rail *(34 71 13 26-0185)*		
34 71 13 26-0199	EA	Reflector, Guard Rail	15.50	
34 71 13 26-0200		Resilient Guard Fence And Light Shield *(34 71 13 26)*		
34 71 13 26-0201	LF	Resilient Guard Fence And Light Shield, Up To 6' High	52.62	5.45
34 71 13 26-0202		Individual Concrete Posts *(34 71 13 26)*		
34 71 13 26-0203	EA	6'-5" Concrete Posts, Round	55.56	5.45
34 71 13 26-0204	EA	6'-5" Concrete Posts, Square	62.25	6.13
34 71 13 26-0205	EA	6'-5" Concrete Posts, Triangular	60.78	6.13
34 71 13 26-0206		Guide Rail Transitions *(34 71 13 26)*		
34 71 13 26-0207		Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0206)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0208	EA	Box Beam To Corrugated Beam Rail Bolted Section	361.71	
34 71 13 26-0209	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	278.25	
34 71 13 26-0210		Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0206)*		
34 71 13 26-0211	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	365.88	
34 71 13 26-0212	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	278.25	
34 71 13 26-0213		Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0206)*		
34 71 13 26-0214	EA	Box Beam to Cable Guide Rail U-bolt And Plate	44.52	14.16
34 71 13 26-0215		Transition Box Beam Median Barrier To Concrete Median Barrier *(34 71 13 26-0206)*		
34 71 13 26-0216	EA	Box Beam Median Barrier To Concrete Barrier End Connection	445.17	
34 71 13 26-0217		Transition Thrie Beam To Concrete Median Barrier *(34 71 13 26-0206)*		
34 71 13 26-0218	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	340.84	
34 71 13 26-0219	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	393.01	
34 71 13 26-0220		Transition Railing (Monterey County) *(34 71 13 26)* Note: Complete with rail, posts, transition and bolts.		
34 71 13 26-0221	EA	Transition Railing, Type WB-31 (Monterey County)	2,753.65	1.77
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		Guard Rail Energy Absorbing Terminals *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		24" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,107.03	2,576.73
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,442.58	3,435.65
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,596.78	4,509.28
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,381.14	5,582.92
34 71 16 00-0007		30" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,695.16	2,898.82
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,660.55	3,865.10
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,883.46	5,153.47
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,668.61	6,227.11
34 71 16 00-0012		36" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,293.50	3,220.91
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,888.23	4,294.55
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,731.66	5,690.28
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	44,945.16	6,871.29
34 71 16 00-0017		69" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	22,097.28	3,543.01
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	30,195.86	4,724.02
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,898.61	6,227.11
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	48,560.77	7,515.48
34 71 16 00-0022		90" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	23,930.55	3,865.10
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	32,538.46	5,153.47
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	44,565.16	6,871.29
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	52,239.61	8,159.66
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	57.51	6.81

34 80 Bridges *(34)*

34 82 Bridge Specialties *(34 80)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23		**Bridge Railing** *(34 82)*			
34 82 23 00-0001		Metal Bridge Railing *(34 82 23)*			
		Note: Includes hardware for bridge rail mounting.			
34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing		31.15	2.92
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing		53.07	4.56
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing		68.42	6.67
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing		90.95	8.41
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing		72.90	6.48
34 82 23 00-0007		Bridge Post *(34 82 23)*			
		Note: Includes hardware for bridge post mounting.			
34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post		123.64	37.68
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post		151.19	40.03
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly		339.99	70.64
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly		413.12	75.35
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly		379.49	75.35
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly		451.08	75.35
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly		353.24	75.35
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly		471.67	77.71
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly		462.81	77.71
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly		563.47	77.71
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post		391.39	80.06
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post		391.48	80.06
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly		571.39	80.06
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly		586.00	80.06
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly		433.72	84.76
34 82 23 00-0023		Bridge Railing Splices *(34 82 23)*			
		Note: Includes hardware for splices.			
34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice		173.30	18.19
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice		104.92	15.92
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice		65.13	11.37
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice		34.04	8.18
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube		132.94	17.59
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar		141.16	17.59
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube		122.13	17.59
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar		125.10	17.59
34 82 23 00-0032	EA	6" x 6' x 3/16" Box x 9' Flare Tube		179.51	23.75
34 82 23 00-0033		Transition For Bridge Railing *(34 82 23)*			
		Note: Includes hardware for transition for bridge railing.			
34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices		730.33	94.19
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices		776.67	98.89
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices		900.84	103.60
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube		311.55	47.09
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube		381.48	51.81
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube		359.92	47.09
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube		318.82	47.09
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube		375.48	51.81
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube		368.94	47.09
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube		301.58	47.09
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube		364.43	47.09
34 82 23 00-0045		Anchor Plates And End Caps For Bridge Railing *(34 82 23)*			
34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate		32.81	4.55
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate		195.81	22.73
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap		25.99	2.28
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap		16.65	2.28
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap		16.54	2.28
34 82 26		**Bridge Slope Protection** *(34 82)*			
34 82 26 00-0001		Bridge Slope Protection *(34 82 26)*			
		Note: Solid concrete masonry unit installed in sand bedding.			
34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection		10.91	4.50
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection		12.77	4.96
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection		14.00	5.26

END OF SECTION 34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		444.56	165.10
		For Class 52 Rating, Deduct		*-21.38*	
		For Class 54 Rating, Add		*14.58*	
		For Class 55 Rating, Add		*32.41*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		469.73	167.99
		For Class 52 Rating, Deduct		*-23.67*	
		For Class 54 Rating, Add		*16.14*	
		For Class 55 Rating, Add		*35.87*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		494.90	170.87
		For Class 52 Rating, Deduct		*-25.96*	
		For Class 54 Rating, Add		*17.70*	
		For Class 55 Rating, Add		*39.34*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		520.08	173.76
		For Class 52 Rating, Deduct		*-28.25*	
		For Class 54 Rating, Add		*19.26*	
		For Class 55 Rating, Add		*42.81*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		545.25	176.65
		For Class 52 Rating, Deduct		*-30.54*	
		For Class 54 Rating, Add		*20.82*	
		For Class 55 Rating, Add		*46.28*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		570.42	179.53
		For Class 52 Rating, Deduct		*-32.82*	
		For Class 54 Rating, Add		*22.38*	
		For Class 55 Rating, Add		*49.74*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		595.59	182.42
		For Class 52 Rating, Deduct		*-35.11*	
		For Class 54 Rating, Add		*23.94*	
		For Class 55 Rating, Add		*53.21*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		620.77	185.30
		For Class 52 Rating, Deduct		*-37.40*	
		For Class 54 Rating, Add		*25.50*	
		For Class 55 Rating, Add		*56.68*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		645.94	188.19
		For Class 52 Rating, Deduct		*-39.69*	
		For Class 54 Rating, Add		*27.06*	
		For Class 55 Rating, Add		*60.15*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		671.11	191.08
		For Class 52 Rating, Deduct		*-41.98*	
		For Class 54 Rating, Add		*28.62*	
		For Class 55 Rating, Add		*63.61*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		696.28	193.97
		For Class 52 Rating, Deduct		*-44.26*	
		For Class 54 Rating, Add		*30.18*	
		For Class 55 Rating, Add		*67.08*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		721.46	196.86
		For Class 52 Rating, Deduct		*-46.55*	
		For Class 54 Rating, Add		*31.74*	
		For Class 55 Rating, Add		*70.55*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		746.64	199.74
		For Class 52 Rating, Deduct		*-48.84*	
		For Class 54 Rating, Add		*33.30*	
		For Class 55 Rating, Add		*74.01*	
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		771.81	202.63
		For Class 52 Rating, Deduct		*-51.13*	
		For Class 54 Rating, Add		*34.86*	
		For Class 55 Rating, Add		*77.48*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		796.98	205.51
		For Class 52 Rating, Deduct		*-53.42*	
		For Class 54 Rating, Add		*36.42*	
		For Class 55 Rating, Add		*80.95*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		822.16	208.40
		For Class 52 Rating, Deduct		*-55.70*	
		For Class 54 Rating, Add		*37.98*	
		For Class 55 Rating, Add		*84.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.33	211.28
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.50	214.17
		For Class 52 Rating, Deduct	*-60.28*	
		For Class 54 Rating, Add	*41.10*	
		For Class 55 Rating, Add	*91.35*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.67	217.06
		For Class 52 Rating, Deduct	*-62.57*	
		For Class 54 Rating, Add	*42.66*	
		For Class 55 Rating, Add	*94.82*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	922.85	219.94
		For Class 52 Rating, Deduct	*-64.86*	
		For Class 54 Rating, Add	*44.22*	
		For Class 55 Rating, Add	*98.29*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	948.02	222.83
		For Class 52 Rating, Deduct	*-67.14*	
		For Class 54 Rating, Add	*45.78*	
		For Class 55 Rating, Add	*101.75*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.19	225.71
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.37	228.60
		For Class 52 Rating, Deduct	*-71.72*	
		For Class 54 Rating, Add	*48.90*	
		For Class 55 Rating, Add	*108.69*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,023.54	231.48
		For Class 52 Rating, Deduct	*-74.01*	
		For Class 54 Rating, Add	*50.46*	
		For Class 55 Rating, Add	*112.16*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,048.71	234.38
		For Class 52 Rating, Deduct	*-76.30*	
		For Class 54 Rating, Add	*52.02*	
		For Class 55 Rating, Add	*115.62*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.89	237.27
		For Class 52 Rating, Deduct	*-78.58*	
		For Class 54 Rating, Add	*53.58*	
		For Class 55 Rating, Add	*119.09*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.07	240.15
		For Class 52 Rating, Deduct	*-80.87*	
		For Class 54 Rating, Add	*55.14*	
		For Class 55 Rating, Add	*122.56*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.24	243.04
		For Class 52 Rating, Deduct	*-83.16*	
		For Class 54 Rating, Add	*56.70*	
		For Class 55 Rating, Add	*126.03*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,149.41	245.92
		For Class 52 Rating, Deduct	*-85.45*	
		For Class 54 Rating, Add	*58.26*	
		For Class 55 Rating, Add	*129.49*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.58	248.81
		For Class 52 Rating, Deduct	*-87.74*	
		For Class 54 Rating, Add	*59.82*	
		For Class 55 Rating, Add	*132.96*	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,199.76	251.69
		For Class 52 Rating, Deduct	*-90.02*	
		For Class 54 Rating, Add	*61.38*	
		For Class 55 Rating, Add	*136.43*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.93	254.58
		For Class 52 Rating, Deduct	*-92.31*	
		For Class 54 Rating, Add	*62.94*	
		For Class 55 Rating, Add	*139.89*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,250.10	257.47
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.27	260.35
		For Class 52 Rating, Deduct	*-96.89*	
		For Class 54 Rating, Add	*66.06*	
		For Class 55 Rating, Add	*146.83*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.45	263.24
		For Class 52 Rating, Deduct	*-99.18*	
		For Class 54 Rating, Add	*67.62*	
		For Class 55 Rating, Add	*150.30*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,325.62	266.12
		For Class 52 Rating, Deduct	*-101.46*	
		For Class 54 Rating, Add	*69.18*	
		For Class 55 Rating, Add	*153.76*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.79	269.01
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.96	271.89
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,401.14	274.79
		For Class 52 Rating, Deduct	*-108.33*	
		For Class 54 Rating, Add	*73.86*	
		For Class 55 Rating, Add	*164.17*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	562.08	207.82
		For Class 52 Rating, Deduct	*-27.19*	
		For Class 54 Rating, Add	*18.54*	
		For Class 55 Rating, Add	*41.21*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	592.05	210.71
		For Class 52 Rating, Deduct	*-30.01*	
		For Class 54 Rating, Add	*20.46*	
		For Class 55 Rating, Add	*45.48*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.03	213.59
		For Class 52 Rating, Deduct	*-32.82*	
		For Class 54 Rating, Add	*22.38*	
		For Class 55 Rating, Add	*49.74*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	652.00	216.48
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.98	219.36
		For Class 52 Rating, Deduct	*-38.46*	
		For Class 54 Rating, Add	*26.22*	
		For Class 55 Rating, Add	*58.28*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	711.95	222.25
		For Class 52 Rating, Deduct	*-41.27*	
		For Class 54 Rating, Add	*28.14*	
		For Class 55 Rating, Add	*62.55*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	741.92	225.14
		For Class 52 Rating, Deduct	*-44.09*	
		For Class 54 Rating, Add	*30.06*	
		For Class 55 Rating, Add	*66.81*	
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	771.89	228.03
		For Class 52 Rating, Deduct	*-46.90*	
		For Class 54 Rating, Add	*31.98*	
		For Class 55 Rating, Add	*71.08*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.87	230.92
		For Class 52 Rating, Deduct	*-49.72*	
		For Class 54 Rating, Add	*33.90*	
		For Class 55 Rating, Add	*75.35*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	831.84	233.80
		For Class 52 Rating, Deduct	*-52.54*	
		For Class 54 Rating, Add	*35.82*	
		For Class 55 Rating, Add	*79.62*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	861.81	236.69
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	891.79	239.57
		For Class 52 Rating, Deduct	*-58.17*	
		For Class 54 Rating, Add	*39.66*	
		For Class 55 Rating, Add	*88.15*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.76	242.46
		For Class 52 Rating, Deduct	*-60.98*	
		For Class 54 Rating, Add	*41.58*	
		For Class 55 Rating, Add	*92.42*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.73	245.34
		For Class 52 Rating, Deduct	*-63.80*	
		For Class 54 Rating, Add	*43.50*	
		For Class 55 Rating, Add	*96.69*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	981.70	248.23
		For Class 52 Rating, Deduct	*-66.62*	
		For Class 54 Rating, Add	*45.42*	
		For Class 55 Rating, Add	*100.95*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,011.68	251.12
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,041.66	254.00
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.63	256.89
		For Class 52 Rating, Deduct	*-75.06*	
		For Class 54 Rating, Add	*51.18*	
		For Class 55 Rating, Add	*113.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.60	259.77
		For Class 52 Rating, Deduct	*-77.88*	
		For Class 54 Rating, Add	*53.10*	
		For Class 55 Rating, Add	*118.02*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,131.58	262.66
		For Class 52 Rating, Deduct	*-80.70*	
		For Class 54 Rating, Add	*55.02*	
		For Class 55 Rating, Add	*122.29*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,161.55	265.55
		For Class 52 Rating, Deduct	*-83.51*	
		For Class 54 Rating, Add	*56.94*	
		For Class 55 Rating, Add	*126.56*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.52	268.44
		For Class 52 Rating, Deduct	*-86.33*	
		For Class 54 Rating, Add	*58.86*	
		For Class 55 Rating, Add	*130.83*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.49	271.33
		For Class 52 Rating, Deduct	*-89.14*	
		For Class 54 Rating, Add	*60.78*	
		For Class 55 Rating, Add	*135.09*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,251.47	274.21
		For Class 52 Rating, Deduct	*-91.96*	
		For Class 54 Rating, Add	*62.70*	
		For Class 55 Rating, Add	*139.36*	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,281.44	277.10
		For Class 52 Rating, Deduct	*-94.78*	
		For Class 54 Rating, Add	*64.62*	
		For Class 55 Rating, Add	*143.63*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.41	279.98
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.38	282.87
		For Class 52 Rating, Deduct	*-100.41*	
		For Class 54 Rating, Add	*68.46*	
		For Class 55 Rating, Add	*152.16*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.36	285.75
		For Class 52 Rating, Deduct	*-103.22*	
		For Class 54 Rating, Add	*70.38*	
		For Class 55 Rating, Add	*156.43*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,401.33	288.64
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.31	291.52
		For Class 52 Rating, Deduct	*-108.86*	
		For Class 54 Rating, Add	*74.22*	
		For Class 55 Rating, Add	*164.97*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,461.28	294.41
		For Class 52 Rating, Deduct	*-111.67*	
		For Class 54 Rating, Add	*76.14*	
		For Class 55 Rating, Add	*169.23*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.26	297.30
		For Class 52 Rating, Deduct	*-114.49*	
		For Class 54 Rating, Add	*78.06*	
		For Class 55 Rating, Add	*173.50*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.23	300.18
		For Class 52 Rating, Deduct	*-117.30*	
		For Class 54 Rating, Add	*79.98*	
		For Class 55 Rating, Add	*177.77*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,551.20	303.07
		For Class 52 Rating, Deduct	*-120.12*	
		For Class 54 Rating, Add	*81.90*	
		For Class 55 Rating, Add	*182.04*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,581.17	305.96
		For Class 52 Rating, Deduct	*-122.94*	
		For Class 54 Rating, Add	*83.82*	
		For Class 55 Rating, Add	*186.30*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,611.15	308.85
		For Class 52 Rating, Deduct	*-125.75*	
		For Class 54 Rating, Add	*85.74*	
		For Class 55 Rating, Add	*190.57*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.12	311.73
		For Class 52 Rating, Deduct	*-128.57*	
		For Class 54 Rating, Add	*87.66*	
		For Class 55 Rating, Add	*194.84*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.09	314.62
		For Class 52 Rating, Deduct	*-131.38*	
		For Class 54 Rating, Add	*89.58*	
		For Class 55 Rating, Add	*199.11*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,701.07	317.51
		For Class 52 Rating, Deduct	*-134.20*	
		For Class 54 Rating, Add	*91.50*	
		For Class 55 Rating, Add	*203.37*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*			
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		766.35	265.55
		For Class 52 Rating, Deduct		*-40.04*	
		For Class 54 Rating, Add		*27.30*	
		For Class 55 Rating, Add		*60.68*	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		805.92	268.44
		For Class 52 Rating, Deduct		*-43.91*	
		For Class 54 Rating, Add		*29.94*	
		For Class 55 Rating, Add		*66.55*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		845.49	271.33
		For Class 52 Rating, Deduct		*-47.78*	
		For Class 54 Rating, Add		*32.58*	
		For Class 55 Rating, Add		*72.41*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		885.07	274.21
		For Class 52 Rating, Deduct		*-51.66*	
		For Class 54 Rating, Add		*35.22*	
		For Class 55 Rating, Add		*78.28*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		924.64	277.10
		For Class 52 Rating, Deduct		*-55.53*	
		For Class 54 Rating, Add		*37.86*	
		For Class 55 Rating, Add		*84.15*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		964.21	279.98
		For Class 52 Rating, Deduct		*-59.40*	
		For Class 54 Rating, Add		*40.50*	
		For Class 55 Rating, Add		*90.02*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,003.78	282.87
		For Class 52 Rating, Deduct		*-63.27*	
		For Class 54 Rating, Add		*43.14*	
		For Class 55 Rating, Add		*95.89*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,043.36	285.75
		For Class 52 Rating, Deduct		*-67.14*	
		For Class 54 Rating, Add		*45.78*	
		For Class 55 Rating, Add		*101.75*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,082.93	288.64
		For Class 52 Rating, Deduct		*-71.02*	
		For Class 54 Rating, Add		*48.42*	
		For Class 55 Rating, Add		*107.62*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,122.51	291.52
		For Class 52 Rating, Deduct		*-74.89*	
		For Class 54 Rating, Add		*51.06*	
		For Class 55 Rating, Add		*113.49*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,162.08	294.41
		For Class 52 Rating, Deduct		*-78.76*	
		For Class 54 Rating, Add		*53.70*	
		For Class 55 Rating, Add		*119.36*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,201.66	297.30
		For Class 52 Rating, Deduct		*-82.63*	
		For Class 54 Rating, Add		*56.34*	
		For Class 55 Rating, Add		*125.23*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,241.23	300.18
		For Class 52 Rating, Deduct		*-86.50*	
		For Class 54 Rating, Add		*58.98*	
		For Class 55 Rating, Add		*131.09*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,280.80	303.07
		For Class 52 Rating, Deduct		*-90.38*	
		For Class 54 Rating, Add		*61.62*	
		For Class 55 Rating, Add		*136.96*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,320.37	305.96
		For Class 52 Rating, Deduct		*-94.25*	
		For Class 54 Rating, Add		*64.26*	
		For Class 55 Rating, Add		*142.83*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,359.95	308.85
		For Class 52 Rating, Deduct		*-98.12*	
		For Class 54 Rating, Add		*66.90*	
		For Class 55 Rating, Add		*148.70*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,399.52	311.73
		For Class 52 Rating, Deduct		*-101.99*	
		For Class 54 Rating, Add		*69.54*	
		For Class 55 Rating, Add		*154.56*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,439.09	314.62
		For Class 52 Rating, Deduct		*-105.86*	
		For Class 54 Rating, Add		*72.18*	
		For Class 55 Rating, Add		*160.43*	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,478.67	317.51
		For Class 52 Rating, Deduct		*-109.74*	
		For Class 54 Rating, Add		*74.82*	
		For Class 55 Rating, Add		*166.30*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,518.24	320.39
		For Class 52 Rating, Deduct		*-113.61*	
		For Class 54 Rating, Add		*77.46*	
		For Class 55 Rating, Add		*172.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,557.81	323.28
		For Class 52 Rating, Deduct	*-117.48*	
		For Class 54 Rating, Add	*80.10*	
		For Class 55 Rating, Add	*178.04*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.38	326.16
		For Class 52 Rating, Deduct	*-121.35*	
		For Class 54 Rating, Add	*82.74*	
		For Class 55 Rating, Add	*183.90*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.96	329.05
		For Class 52 Rating, Deduct	*-125.22*	
		For Class 54 Rating, Add	*85.38*	
		For Class 55 Rating, Add	*189.77*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.54	331.93
		For Class 52 Rating, Deduct	*-129.10*	
		For Class 54 Rating, Add	*88.02*	
		For Class 55 Rating, Add	*195.64*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,716.11	334.82
		For Class 52 Rating, Deduct	*-132.97*	
		For Class 54 Rating, Add	*90.66*	
		For Class 55 Rating, Add	*201.51*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.68	337.71
		For Class 52 Rating, Deduct	*-136.84*	
		For Class 54 Rating, Add	*93.30*	
		For Class 55 Rating, Add	*207.37*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.26	340.59
		For Class 52 Rating, Deduct	*-140.71*	
		For Class 54 Rating, Add	*95.94*	
		For Class 55 Rating, Add	*213.24*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.83	343.48
		For Class 52 Rating, Deduct	*-144.58*	
		For Class 54 Rating, Add	*98.58*	
		For Class 55 Rating, Add	*219.11*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.40	346.37
		For Class 52 Rating, Deduct	*-148.46*	
		For Class 54 Rating, Add	*101.22*	
		For Class 55 Rating, Add	*224.98*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,913.97	349.26
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.55	352.14
		For Class 52 Rating, Deduct	*-156.20*	
		For Class 54 Rating, Add	*106.50*	
		For Class 55 Rating, Add	*236.71*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,993.12	355.03
		For Class 52 Rating, Deduct	*-160.07*	
		For Class 54 Rating, Add	*109.14*	
		For Class 55 Rating, Add	*242.58*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,032.69	357.92
		For Class 52 Rating, Deduct	*-163.94*	
		For Class 54 Rating, Add	*111.78*	
		For Class 55 Rating, Add	*248.45*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.26	360.80
		For Class 52 Rating, Deduct	*-167.82*	
		For Class 54 Rating, Add	*114.42*	
		For Class 55 Rating, Add	*254.32*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.84	363.69
		For Class 52 Rating, Deduct	*-171.69*	
		For Class 54 Rating, Add	*117.06*	
		For Class 55 Rating, Add	*260.19*	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,151.41	366.57
		For Class 52 Rating, Deduct	*-175.56*	
		For Class 54 Rating, Add	*119.70*	
		For Class 55 Rating, Add	*266.05*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.99	369.46
		For Class 52 Rating, Deduct	*-179.43*	
		For Class 54 Rating, Add	*122.34*	
		For Class 55 Rating, Add	*271.92*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,230.56	372.34
		For Class 52 Rating, Deduct	*-183.30*	
		For Class 54 Rating, Add	*124.98*	
		For Class 55 Rating, Add	*277.79*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,270.14	375.23
		For Class 52 Rating, Deduct	*-187.18*	
		For Class 54 Rating, Add	*127.62*	
		For Class 55 Rating, Add	*283.66*	
40 05 19 00-0123		10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.01	323.28
		For Class 52 Rating, Deduct	*-51.39*	
		For Class 54 Rating, Add	*35.04*	
		For Class 55 Rating, Add	*77.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.78	326.16
		For Class 52 Rating, Deduct	*-56.50*	
		For Class 54 Rating, Add	*38.52*	
		For Class 55 Rating, Add	*85.62*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,058.56	329.05
		For Class 52 Rating, Deduct	*-61.60*	
		For Class 54 Rating, Add	*42.00*	
		For Class 55 Rating, Add	*93.35*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,109.34	331.93
		For Class 52 Rating, Deduct	*-66.70*	
		For Class 54 Rating, Add	*45.48*	
		For Class 55 Rating, Add	*101.09*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.11	334.82
		For Class 52 Rating, Deduct	*-71.81*	
		For Class 54 Rating, Add	*48.96*	
		For Class 55 Rating, Add	*108.82*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.88	337.71
		For Class 52 Rating, Deduct	*-76.91*	
		For Class 54 Rating, Add	*52.44*	
		For Class 55 Rating, Add	*116.56*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,261.66	340.59
		For Class 52 Rating, Deduct	*-82.02*	
		For Class 54 Rating, Add	*55.92*	
		For Class 55 Rating, Add	*124.29*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.43	343.48
		For Class 52 Rating, Deduct	*-87.12*	
		For Class 54 Rating, Add	*59.40*	
		For Class 55 Rating, Add	*132.03*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.20	346.37
		For Class 52 Rating, Deduct	*-92.22*	
		For Class 54 Rating, Add	*62.88*	
		For Class 55 Rating, Add	*139.76*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.97	349.26
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.75	352.14
		For Class 52 Rating, Deduct	*-102.43*	
		For Class 54 Rating, Add	*69.84*	
		For Class 55 Rating, Add	*155.23*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.52	355.03
		For Class 52 Rating, Deduct	*-107.54*	
		For Class 54 Rating, Add	*73.32*	
		For Class 55 Rating, Add	*162.97*	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.29	357.92
		For Class 52 Rating, Deduct	*-112.64*	
		For Class 54 Rating, Add	*76.80*	
		For Class 55 Rating, Add	*170.70*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,617.06	360.80
		For Class 52 Rating, Deduct	*-117.74*	
		For Class 54 Rating, Add	*80.28*	
		For Class 55 Rating, Add	*178.44*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,667.84	363.69
		For Class 52 Rating, Deduct	*-122.85*	
		For Class 54 Rating, Add	*83.76*	
		For Class 55 Rating, Add	*186.17*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.61	366.57
		For Class 52 Rating, Deduct	*-127.95*	
		For Class 54 Rating, Add	*87.24*	
		For Class 55 Rating, Add	*193.91*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.39	369.46
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*90.72*	
		For Class 55 Rating, Add	*201.64*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.16	372.34
		For Class 52 Rating, Deduct	*-138.16*	
		For Class 54 Rating, Add	*94.20*	
		For Class 55 Rating, Add	*209.38*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,870.94	375.23
		For Class 52 Rating, Deduct	*-143.26*	
		For Class 54 Rating, Add	*97.68*	
		For Class 55 Rating, Add	*217.11*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,921.71	378.12
		For Class 52 Rating, Deduct	*-148.37*	
		For Class 54 Rating, Add	*101.16*	
		For Class 55 Rating, Add	*224.84*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.48	381.00
		For Class 52 Rating, Deduct	*-153.47*	
		For Class 54 Rating, Add	*104.64*	
		For Class 55 Rating, Add	*232.58*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,023.25	383.89
		For Class 52 Rating, Deduct	*-158.58*	
		For Class 54 Rating, Add	*108.12*	
		For Class 55 Rating, Add	*240.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.03	386.78
		For Class 52 Rating, Deduct	*-163.68*	
		For Class 54 Rating, Add	*111.60*	
		For Class 55 Rating, Add	*248.05*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.80	389.67
		For Class 52 Rating, Deduct	*-168.78*	
		For Class 54 Rating, Add	*115.08*	
		For Class 55 Rating, Add	*255.78*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,175.57	392.55
		For Class 52 Rating, Deduct	*-173.89*	
		For Class 54 Rating, Add	*118.56*	
		For Class 55 Rating, Add	*263.52*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.35	395.44
		For Class 52 Rating, Deduct	*-178.99*	
		For Class 54 Rating, Add	*122.04*	
		For Class 55 Rating, Add	*271.25*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,277.12	398.33
		For Class 52 Rating, Deduct	*-184.10*	
		For Class 54 Rating, Add	*125.52*	
		For Class 55 Rating, Add	*278.99*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,327.89	401.21
		For Class 52 Rating, Deduct	*-189.20*	
		For Class 54 Rating, Add	*129.00*	
		For Class 55 Rating, Add	*286.72*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.66	404.10
		For Class 52 Rating, Deduct	*-194.30*	
		For Class 54 Rating, Add	*132.48*	
		For Class 55 Rating, Add	*294.46*	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.44	406.98
		For Class 52 Rating, Deduct	*-199.41*	
		For Class 54 Rating, Add	*135.96*	
		For Class 55 Rating, Add	*302.19*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.22	409.87
		For Class 52 Rating, Deduct	*-204.51*	
		For Class 54 Rating, Add	*139.44*	
		For Class 55 Rating, Add	*309.93*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,530.19	412.75
		For Class 52 Rating, Deduct	*-209.53*	
		For Class 54 Rating, Add	*142.86*	
		For Class 55 Rating, Add	*317.53*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,581.76	415.64
		For Class 52 Rating, Deduct	*-214.72*	
		For Class 54 Rating, Add	*146.40*	
		For Class 55 Rating, Add	*325.40*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,632.54	418.53
		For Class 52 Rating, Deduct	*-219.82*	
		For Class 54 Rating, Add	*149.88*	
		For Class 55 Rating, Add	*333.13*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.31	421.41
		For Class 52 Rating, Deduct	*-224.93*	
		For Class 54 Rating, Add	*153.36*	
		For Class 55 Rating, Add	*340.87*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.08	424.30
		For Class 52 Rating, Deduct	*-230.03*	
		For Class 54 Rating, Add	*156.84*	
		For Class 55 Rating, Add	*348.60*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.85	427.19
		For Class 52 Rating, Deduct	*-235.14*	
		For Class 54 Rating, Add	*160.32*	
		For Class 55 Rating, Add	*356.34*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,835.63	430.08
		For Class 52 Rating, Deduct	*-240.24*	
		For Class 54 Rating, Add	*163.80*	
		For Class 55 Rating, Add	*364.07*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.40	432.96
		For Class 52 Rating, Deduct	*-245.34*	
		For Class 54 Rating, Add	*167.28*	
		For Class 55 Rating, Add	*371.81*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,237.86	404.10
		For Class 52 Rating, Deduct	*-68.82*	
		For Class 54 Rating, Add	*46.92*	
		For Class 55 Rating, Add	*104.29*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.64	406.98
		For Class 52 Rating, Deduct	*-75.24*	
		For Class 54 Rating, Add	*51.30*	
		For Class 55 Rating, Add	*114.02*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.42	409.87
		For Class 52 Rating, Deduct	*-81.66*	
		For Class 54 Rating, Add	*55.68*	
		For Class 55 Rating, Add	*123.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.19	412.75
		For Class 52 Rating, Deduct	*-88.09*	
		For Class 54 Rating, Add	*60.06*	
		For Class 55 Rating, Add	*133.49*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.96	415.64
		For Class 52 Rating, Deduct	*-94.51*	
		For Class 54 Rating, Add	*64.44*	
		For Class 55 Rating, Add	*143.23*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,551.74	418.53
		For Class 52 Rating, Deduct	*-100.94*	
		For Class 54 Rating, Add	*68.82*	
		For Class 55 Rating, Add	*152.96*	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.51	421.41
		For Class 52 Rating, Deduct	*-107.36*	
		For Class 54 Rating, Add	*73.20*	
		For Class 55 Rating, Add	*162.70*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,677.28	424.30
		For Class 52 Rating, Deduct	*-113.78*	
		For Class 54 Rating, Add	*77.58*	
		For Class 55 Rating, Add	*172.43*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.05	427.19
		For Class 52 Rating, Deduct	*-120.21*	
		For Class 54 Rating, Add	*81.96*	
		For Class 55 Rating, Add	*182.17*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.83	430.08
		For Class 52 Rating, Deduct	*-126.63*	
		For Class 54 Rating, Add	*86.34*	
		For Class 55 Rating, Add	*191.91*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.60	432.96
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*90.72*	
		For Class 55 Rating, Add	*201.64*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,928.37	435.85
		For Class 52 Rating, Deduct	*-139.48*	
		For Class 54 Rating, Add	*95.10*	
		For Class 55 Rating, Add	*211.38*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.14	438.74
		For Class 52 Rating, Deduct	*-145.90*	
		For Class 54 Rating, Add	*99.48*	
		For Class 55 Rating, Add	*221.11*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,053.92	441.62
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.69	444.51
		For Class 52 Rating, Deduct	*-158.75*	
		For Class 54 Rating, Add	*108.24*	
		For Class 55 Rating, Add	*240.58*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,179.47	447.39
		For Class 52 Rating, Deduct	*-165.18*	
		For Class 54 Rating, Add	*112.62*	
		For Class 55 Rating, Add	*250.32*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,242.24	450.28
		For Class 52 Rating, Deduct	*-171.60*	
		For Class 54 Rating, Add	*117.00*	
		For Class 55 Rating, Add	*260.05*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,305.02	453.16
		For Class 52 Rating, Deduct	*-178.02*	
		For Class 54 Rating, Add	*121.38*	
		For Class 55 Rating, Add	*269.79*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,367.79	456.05
		For Class 52 Rating, Deduct	*-184.45*	
		For Class 54 Rating, Add	*125.76*	
		For Class 55 Rating, Add	*279.52*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,430.56	458.93
		For Class 52 Rating, Deduct	*-190.87*	
		For Class 54 Rating, Add	*130.14*	
		For Class 55 Rating, Add	*289.26*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,493.33	461.82
		For Class 52 Rating, Deduct	*-197.30*	
		For Class 54 Rating, Add	*134.52*	
		For Class 55 Rating, Add	*298.99*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.11	464.71
		For Class 52 Rating, Deduct	*-203.72*	
		For Class 54 Rating, Add	*138.90*	
		For Class 55 Rating, Add	*308.73*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.88	467.60
		For Class 52 Rating, Deduct	*-210.14*	
		For Class 54 Rating, Add	*143.28*	
		For Class 55 Rating, Add	*318.46*	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,681.65	470.49
		For Class 52 Rating, Deduct	*-216.57*	
		For Class 54 Rating, Add	*147.66*	
		For Class 55 Rating, Add	*328.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.43	473.37
		For Class 52 Rating, Deduct	*-222.99*	
		For Class 54 Rating, Add	*152.04*	
		For Class 55 Rating, Add	*337.93*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,807.20	476.26
		For Class 52 Rating, Deduct	*-229.42*	
		For Class 54 Rating, Add	*156.42*	
		For Class 55 Rating, Add	*347.67*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.97	479.14
		For Class 52 Rating, Deduct	*-235.84*	
		For Class 54 Rating, Add	*160.80*	
		For Class 55 Rating, Add	*357.40*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.74	482.03
		For Class 52 Rating, Deduct	*-242.26*	
		For Class 54 Rating, Add	*165.18*	
		For Class 55 Rating, Add	*367.14*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,995.53	484.92
		For Class 52 Rating, Deduct	*-248.69*	
		For Class 54 Rating, Add	*169.56*	
		For Class 55 Rating, Add	*376.88*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.30	487.80
		For Class 52 Rating, Deduct	*-255.11*	
		For Class 54 Rating, Add	*173.94*	
		For Class 55 Rating, Add	*386.61*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.07	490.69
		For Class 52 Rating, Deduct	*-261.54*	
		For Class 54 Rating, Add	*178.32*	
		For Class 55 Rating, Add	*396.35*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,183.84	493.57
		For Class 52 Rating, Deduct	*-267.96*	
		For Class 54 Rating, Add	*182.70*	
		For Class 55 Rating, Add	*406.08*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.62	496.46
		For Class 52 Rating, Deduct	*-274.38*	
		For Class 54 Rating, Add	*187.08*	
		For Class 55 Rating, Add	*415.82*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.39	499.34
		For Class 52 Rating, Deduct	*-280.81*	
		For Class 54 Rating, Add	*191.46*	
		For Class 55 Rating, Add	*425.55*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,372.16	502.23
		For Class 52 Rating, Deduct	*-287.23*	
		For Class 54 Rating, Add	*195.84*	
		For Class 55 Rating, Add	*435.29*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.93	505.12
		For Class 52 Rating, Deduct	*-293.66*	
		For Class 54 Rating, Add	*200.22*	
		For Class 55 Rating, Add	*445.02*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.71	508.01
		For Class 52 Rating, Deduct	*-300.08*	
		For Class 54 Rating, Add	*204.60*	
		For Class 55 Rating, Add	*454.76*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,560.48	510.90
		For Class 52 Rating, Deduct	*-306.50*	
		For Class 54 Rating, Add	*208.98*	
		For Class 55 Rating, Add	*464.49*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.25	513.78
		For Class 52 Rating, Deduct	*-312.93*	
		For Class 54 Rating, Add	*213.36*	
		For Class 55 Rating, Add	*474.23*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.73	484.92
		For Class 52 Rating, Deduct	*-96.36*	
		For Class 54 Rating, Add	*65.70*	
		For Class 55 Rating, Add	*146.03*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.30	487.80
		For Class 52 Rating, Deduct	*-104.19*	
		For Class 54 Rating, Add	*71.04*	
		For Class 55 Rating, Add	*157.90*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,761.87	490.69
		For Class 52 Rating, Deduct	*-112.02*	
		For Class 54 Rating, Add	*76.38*	
		For Class 55 Rating, Add	*169.77*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,837.44	493.57
		For Class 52 Rating, Deduct	*-119.86*	
		For Class 54 Rating, Add	*81.72*	
		For Class 55 Rating, Add	*181.64*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,913.02	496.46
		For Class 52 Rating, Deduct	*-127.69*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*193.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.59	499.34
		For Class 52 Rating, Deduct	*-135.52*	
		For Class 54 Rating, Add	*92.40*	
		For Class 55 Rating, Add	*205.37*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.16	502.23
		For Class 52 Rating, Deduct	*-143.35*	
		For Class 54 Rating, Add	*97.74*	
		For Class 55 Rating, Add	*217.24*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.73	505.12
		For Class 52 Rating, Deduct	*-151.18*	
		For Class 54 Rating, Add	*103.08*	
		For Class 55 Rating, Add	*229.11*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,215.31	508.01
		For Class 52 Rating, Deduct	*-159.02*	
		For Class 54 Rating, Add	*108.42*	
		For Class 55 Rating, Add	*240.98*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,290.88	510.90
		For Class 52 Rating, Deduct	*-166.85*	
		For Class 54 Rating, Add	*113.76*	
		For Class 55 Rating, Add	*252.85*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,366.45	513.78
		For Class 52 Rating, Deduct	*-174.68*	
		For Class 54 Rating, Add	*119.10*	
		For Class 55 Rating, Add	*264.72*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,442.02	516.67
		For Class 52 Rating, Deduct	*-182.51*	
		For Class 54 Rating, Add	*124.44*	
		For Class 55 Rating, Add	*276.59*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,517.60	519.55
		For Class 52 Rating, Deduct	*-190.34*	
		For Class 54 Rating, Add	*129.78*	
		For Class 55 Rating, Add	*288.46*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,593.17	522.44
		For Class 52 Rating, Deduct	*-198.18*	
		For Class 54 Rating, Add	*135.12*	
		For Class 55 Rating, Add	*300.33*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,668.75	525.33
		For Class 52 Rating, Deduct	*-206.01*	
		For Class 54 Rating, Add	*140.46*	
		For Class 55 Rating, Add	*312.20*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.32	528.21
		For Class 52 Rating, Deduct	*-213.84*	
		For Class 54 Rating, Add	*145.80*	
		For Class 55 Rating, Add	*324.06*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.90	531.10
		For Class 52 Rating, Deduct	*-221.67*	
		For Class 54 Rating, Add	*151.14*	
		For Class 55 Rating, Add	*335.93*	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,895.47	533.98
		For Class 52 Rating, Deduct	*-229.50*	
		For Class 54 Rating, Add	*156.48*	
		For Class 55 Rating, Add	*347.80*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,971.04	536.87
		For Class 52 Rating, Deduct	*-237.34*	
		For Class 54 Rating, Add	*161.82*	
		For Class 55 Rating, Add	*359.67*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,046.61	539.75
		For Class 52 Rating, Deduct	*-245.17*	
		For Class 54 Rating, Add	*167.16*	
		For Class 55 Rating, Add	*371.54*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.19	542.64
		For Class 52 Rating, Deduct	*-253.00*	
		For Class 54 Rating, Add	*172.50*	
		For Class 55 Rating, Add	*383.41*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.76	545.53
		For Class 52 Rating, Deduct	*-260.83*	
		For Class 54 Rating, Add	*177.84*	
		For Class 55 Rating, Add	*395.28*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.33	548.42
		For Class 52 Rating, Deduct	*-268.66*	
		For Class 54 Rating, Add	*183.18*	
		For Class 55 Rating, Add	*407.15*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,348.90	551.31
		For Class 52 Rating, Deduct	*-276.50*	
		For Class 54 Rating, Add	*188.52*	
		For Class 55 Rating, Add	*419.02*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,424.48	554.19
		For Class 52 Rating, Deduct	*-284.33*	
		For Class 54 Rating, Add	*193.86*	
		For Class 55 Rating, Add	*430.89*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.05	557.08
		For Class 52 Rating, Deduct	*-292.16*	
		For Class 54 Rating, Add	*199.20*	
		For Class 55 Rating, Add	*442.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,575.62	559.96
		For Class 52 Rating, Deduct	*-299.99*	
		For Class 54 Rating, Add	*204.54*	
		For Class 55 Rating, Add	*454.62*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,651.21	562.85
		For Class 52 Rating, Deduct	*-307.82*	
		For Class 54 Rating, Add	*209.88*	
		For Class 55 Rating, Add	*466.49*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,726.78	565.74
		For Class 52 Rating, Deduct	*-315.66*	
		For Class 54 Rating, Add	*215.22*	
		For Class 55 Rating, Add	*478.36*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.35	568.62
		For Class 52 Rating, Deduct	*-323.49*	
		For Class 54 Rating, Add	*220.56*	
		For Class 55 Rating, Add	*490.23*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,877.92	571.51
		For Class 52 Rating, Deduct	*-331.32*	
		For Class 54 Rating, Add	*225.90*	
		For Class 55 Rating, Add	*502.10*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.50	574.39
		For Class 52 Rating, Deduct	*-339.15*	
		For Class 54 Rating, Add	*231.24*	
		For Class 55 Rating, Add	*513.97*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,029.07	577.28
		For Class 52 Rating, Deduct	*-346.98*	
		For Class 54 Rating, Add	*236.58*	
		For Class 55 Rating, Add	*525.84*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,104.64	580.16
		For Class 52 Rating, Deduct	*-354.82*	
		For Class 54 Rating, Add	*241.92*	
		For Class 55 Rating, Add	*537.71*	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,180.21	583.05
		For Class 52 Rating, Deduct	*-362.65*	
		For Class 54 Rating, Add	*247.26*	
		For Class 55 Rating, Add	*549.58*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,255.79	585.94
		For Class 52 Rating, Deduct	*-370.48*	
		For Class 54 Rating, Add	*252.60*	
		For Class 55 Rating, Add	*561.45*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,331.36	588.82
		For Class 52 Rating, Deduct	*-378.31*	
		For Class 54 Rating, Add	*257.94*	
		For Class 55 Rating, Add	*573.31*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,406.93	591.72
		For Class 52 Rating, Deduct	*-386.14*	
		For Class 54 Rating, Add	*263.28*	
		For Class 55 Rating, Add	*585.18*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.08	554.19
		For Class 52 Rating, Deduct	*-114.22*	
		For Class 54 Rating, Add	*77.88*	
		For Class 55 Rating, Add	*173.10*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,965.65	557.08
		For Class 52 Rating, Deduct	*-123.38*	
		For Class 54 Rating, Add	*84.12*	
		For Class 55 Rating, Add	*186.97*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,053.22	559.96
		For Class 52 Rating, Deduct	*-132.53*	
		For Class 54 Rating, Add	*90.36*	
		For Class 55 Rating, Add	*200.84*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.81	562.85
		For Class 52 Rating, Deduct	*-141.68*	
		For Class 54 Rating, Add	*96.60*	
		For Class 55 Rating, Add	*214.71*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.38	565.74
		For Class 52 Rating, Deduct	*-150.83*	
		For Class 54 Rating, Add	*102.84*	
		For Class 55 Rating, Add	*228.58*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.95	568.62
		For Class 52 Rating, Deduct	*-159.98*	
		For Class 54 Rating, Add	*109.08*	
		For Class 55 Rating, Add	*242.45*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.52	571.51
		For Class 52 Rating, Deduct	*-169.14*	
		For Class 54 Rating, Add	*115.32*	
		For Class 55 Rating, Add	*256.32*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,491.10	574.39
		For Class 52 Rating, Deduct	*-178.29*	
		For Class 54 Rating, Add	*121.56*	
		For Class 55 Rating, Add	*270.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.67	577.28
		For Class 52 Rating, Deduct	*-187.44*	
		For Class 54 Rating, Add	*127.80*	
		For Class 55 Rating, Add	*284.06*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,666.24	580.16
		For Class 52 Rating, Deduct	*-196.59*	
		For Class 54 Rating, Add	*134.04*	
		For Class 55 Rating, Add	*297.93*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.81	583.05
		For Class 52 Rating, Deduct	*-205.74*	
		For Class 54 Rating, Add	*140.28*	
		For Class 55 Rating, Add	*311.80*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,841.39	585.94
		For Class 52 Rating, Deduct	*-214.90*	
		For Class 54 Rating, Add	*146.52*	
		For Class 55 Rating, Add	*325.67*	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.96	588.82
		For Class 52 Rating, Deduct	*-224.05*	
		For Class 54 Rating, Add	*152.76*	
		For Class 55 Rating, Add	*339.53*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.53	591.72
		For Class 52 Rating, Deduct	*-233.20*	
		For Class 54 Rating, Add	*159.00*	
		For Class 55 Rating, Add	*353.40*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.10	594.60
		For Class 52 Rating, Deduct	*-242.35*	
		For Class 54 Rating, Add	*165.24*	
		For Class 55 Rating, Add	*367.27*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,191.68	597.49
		For Class 52 Rating, Deduct	*-251.50*	
		For Class 54 Rating, Add	*171.48*	
		For Class 55 Rating, Add	*381.14*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,279.25	600.37
		For Class 52 Rating, Deduct	*-260.66*	
		For Class 54 Rating, Add	*177.72*	
		For Class 55 Rating, Add	*395.01*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,366.83	603.26
		For Class 52 Rating, Deduct	*-269.81*	
		For Class 54 Rating, Add	*183.96*	
		For Class 55 Rating, Add	*408.88*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.40	606.15
		For Class 52 Rating, Deduct	*-278.96*	
		For Class 54 Rating, Add	*190.20*	
		For Class 55 Rating, Add	*422.75*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.98	609.03
		For Class 52 Rating, Deduct	*-288.11*	
		For Class 54 Rating, Add	*196.44*	
		For Class 55 Rating, Add	*436.62*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,629.55	611.92
		For Class 52 Rating, Deduct	*-297.26*	
		For Class 54 Rating, Add	*202.68*	
		For Class 55 Rating, Add	*450.49*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,717.12	614.80
		For Class 52 Rating, Deduct	*-306.42*	
		For Class 54 Rating, Add	*208.92*	
		For Class 55 Rating, Add	*464.36*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.69	617.69
		For Class 52 Rating, Deduct	*-315.57*	
		For Class 54 Rating, Add	*215.16*	
		For Class 55 Rating, Add	*478.23*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.27	620.57
		For Class 52 Rating, Deduct	*-324.72*	
		For Class 54 Rating, Add	*221.40*	
		For Class 55 Rating, Add	*492.10*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,979.84	623.46
		For Class 52 Rating, Deduct	*-333.87*	
		For Class 54 Rating, Add	*227.64*	
		For Class 55 Rating, Add	*505.97*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,067.41	626.35
		For Class 52 Rating, Deduct	*-343.02*	
		For Class 54 Rating, Add	*233.88*	
		For Class 55 Rating, Add	*519.84*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.98	629.23
		For Class 52 Rating, Deduct	*-352.18*	
		For Class 54 Rating, Add	*240.12*	
		For Class 55 Rating, Add	*533.71*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,242.56	632.13
		For Class 52 Rating, Deduct	*-361.33*	
		For Class 54 Rating, Add	*246.36*	
		For Class 55 Rating, Add	*547.58*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,330.13	635.01
		For Class 52 Rating, Deduct	*-370.48*	
		For Class 54 Rating, Add	*252.60*	
		For Class 55 Rating, Add	*561.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,417.70	637.90
		For Class 52 Rating, Deduct	*-379.63*	
		For Class 54 Rating, Add	*258.84*	
		For Class 55 Rating, Add	*575.32*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,505.29	640.78
		For Class 52 Rating, Deduct	*-388.78*	
		For Class 54 Rating, Add	*265.08*	
		For Class 55 Rating, Add	*589.18*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,592.86	643.67
		For Class 52 Rating, Deduct	*-397.94*	
		For Class 54 Rating, Add	*271.32*	
		For Class 55 Rating, Add	*603.05*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,680.43	646.55
		For Class 52 Rating, Deduct	*-407.09*	
		For Class 54 Rating, Add	*277.56*	
		For Class 55 Rating, Add	*616.92*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,768.00	649.44
		For Class 52 Rating, Deduct	*-416.24*	
		For Class 54 Rating, Add	*283.80*	
		For Class 55 Rating, Add	*630.79*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,855.58	652.33
		For Class 52 Rating, Deduct	*-425.39*	
		For Class 54 Rating, Add	*290.04*	
		For Class 55 Rating, Add	*644.66*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,943.15	655.21
		For Class 52 Rating, Deduct	*-434.54*	
		For Class 54 Rating, Add	*296.28*	
		For Class 55 Rating, Add	*658.53*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,030.72	658.10
		For Class 52 Rating, Deduct	*-443.70*	
		For Class 54 Rating, Add	*302.52*	
		For Class 55 Rating, Add	*672.40*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.29	660.98
		For Class 52 Rating, Deduct	*-452.85*	
		For Class 54 Rating, Add	*308.76*	
		For Class 55 Rating, Add	*686.27*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,170.39	624.62
		For Class 52 Rating, Deduct	*-134.64*	
		For Class 54 Rating, Add	*91.80*	
		For Class 55 Rating, Add	*204.04*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,270.76	627.50
		For Class 52 Rating, Deduct	*-145.20*	
		For Class 54 Rating, Add	*99.00*	
		For Class 55 Rating, Add	*220.04*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,371.14	630.39
		For Class 52 Rating, Deduct	*-155.76*	
		For Class 54 Rating, Add	*106.20*	
		For Class 55 Rating, Add	*236.05*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,471.51	633.27
		For Class 52 Rating, Deduct	*-166.32*	
		For Class 54 Rating, Add	*113.40*	
		For Class 55 Rating, Add	*252.05*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.88	636.16
		For Class 52 Rating, Deduct	*-176.88*	
		For Class 54 Rating, Add	*120.60*	
		For Class 55 Rating, Add	*268.05*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,672.25	639.05
		For Class 52 Rating, Deduct	*-187.44*	
		For Class 54 Rating, Add	*127.80*	
		For Class 55 Rating, Add	*284.06*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,772.63	641.93
		For Class 52 Rating, Deduct	*-198.00*	
		For Class 54 Rating, Add	*135.00*	
		For Class 55 Rating, Add	*300.06*	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,873.00	644.82
		For Class 52 Rating, Deduct	*-208.56*	
		For Class 54 Rating, Add	*142.20*	
		For Class 55 Rating, Add	*316.06*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,973.38	647.71
		For Class 52 Rating, Deduct	*-219.12*	
		For Class 54 Rating, Add	*149.40*	
		For Class 55 Rating, Add	*332.07*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.75	650.60
		For Class 52 Rating, Deduct	*-229.68*	
		For Class 54 Rating, Add	*156.60*	
		For Class 55 Rating, Add	*348.07*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.13	653.48
		For Class 52 Rating, Deduct	*-240.24*	
		For Class 54 Rating, Add	*163.80*	
		For Class 55 Rating, Add	*364.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,274.50	656.37
		For Class 52 Rating, Deduct	*-250.80*	
		For Class 54 Rating, Add	*171.00*	
		For Class 55 Rating, Add	*380.08*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.87	659.26
		For Class 52 Rating, Deduct	*-261.36*	
		For Class 54 Rating, Add	*178.20*	
		For Class 55 Rating, Add	*396.08*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,475.24	662.14
		For Class 52 Rating, Deduct	*-271.92*	
		For Class 54 Rating, Add	*185.40*	
		For Class 55 Rating, Add	*412.08*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,575.62	665.03
		For Class 52 Rating, Deduct	*-282.48*	
		For Class 54 Rating, Add	*192.60*	
		For Class 55 Rating, Add	*428.09*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.99	667.91
		For Class 52 Rating, Deduct	*-293.04*	
		For Class 54 Rating, Add	*199.80*	
		For Class 55 Rating, Add	*444.09*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.36	670.80
		For Class 52 Rating, Deduct	*-303.60*	
		For Class 54 Rating, Add	*207.00*	
		For Class 55 Rating, Add	*460.09*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,876.73	673.68
		For Class 52 Rating, Deduct	*-314.16*	
		For Class 54 Rating, Add	*214.20*	
		For Class 55 Rating, Add	*476.10*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,977.11	676.57
		For Class 52 Rating, Deduct	*-324.72*	
		For Class 54 Rating, Add	*221.40*	
		For Class 55 Rating, Add	*492.10*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,077.48	679.46
		For Class 52 Rating, Deduct	*-335.28*	
		For Class 54 Rating, Add	*228.60*	
		For Class 55 Rating, Add	*508.10*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,177.85	682.34
		For Class 52 Rating, Deduct	*-345.84*	
		For Class 54 Rating, Add	*235.80*	
		For Class 55 Rating, Add	*524.10*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,278.23	685.23
		For Class 52 Rating, Deduct	*-356.40*	
		For Class 54 Rating, Add	*243.00*	
		For Class 55 Rating, Add	*540.11*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.61	688.12
		For Class 52 Rating, Deduct	*-366.96*	
		For Class 54 Rating, Add	*250.20*	
		For Class 55 Rating, Add	*556.11*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,478.98	691.01
		For Class 52 Rating, Deduct	*-377.52*	
		For Class 54 Rating, Add	*257.40*	
		For Class 55 Rating, Add	*572.11*	
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.35	693.89
		For Class 52 Rating, Deduct	*-388.08*	
		For Class 54 Rating, Add	*264.60*	
		For Class 55 Rating, Add	*588.12*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,679.73	696.78
		For Class 52 Rating, Deduct	*-398.64*	
		For Class 54 Rating, Add	*271.80*	
		For Class 55 Rating, Add	*604.12*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,780.10	699.67
		For Class 52 Rating, Deduct	*-409.20*	
		For Class 54 Rating, Add	*279.00*	
		For Class 55 Rating, Add	*620.12*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,880.47	702.55
		For Class 52 Rating, Deduct	*-419.76*	
		For Class 54 Rating, Add	*286.20*	
		For Class 55 Rating, Add	*636.13*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,980.84	705.44
		For Class 52 Rating, Deduct	*-430.32*	
		For Class 54 Rating, Add	*293.40*	
		For Class 55 Rating, Add	*652.13*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,081.22	708.32
		For Class 52 Rating, Deduct	*-440.88*	
		For Class 54 Rating, Add	*300.60*	
		For Class 55 Rating, Add	*668.13*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,181.59	711.21
		For Class 52 Rating, Deduct	*-451.44*	
		For Class 54 Rating, Add	*307.80*	
		For Class 55 Rating, Add	*684.14*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.96	714.09
		For Class 52 Rating, Deduct	*-462.00*	
		For Class 54 Rating, Add	*315.00*	
		For Class 55 Rating, Add	*700.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,382.33	716.98
		For Class 52 Rating, Deduct	*-472.56*	
		For Class 54 Rating, Add	*322.20*	
		For Class 55 Rating, Add	*716.14*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,482.71	719.87
		For Class 52 Rating, Deduct	*-483.12*	
		For Class 54 Rating, Add	*329.40*	
		For Class 55 Rating, Add	*732.15*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.08	722.75
		For Class 52 Rating, Deduct	*-493.68*	
		For Class 54 Rating, Add	*336.60*	
		For Class 55 Rating, Add	*748.15*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,683.46	725.64
		For Class 52 Rating, Deduct	*-504.24*	
		For Class 54 Rating, Add	*343.80*	
		For Class 55 Rating, Add	*764.15*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,783.83	728.53
		For Class 52 Rating, Deduct	*-514.80*	
		For Class 54 Rating, Add	*351.00*	
		For Class 55 Rating, Add	*780.16*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,884.21	731.42
		For Class 52 Rating, Deduct	*-525.36*	
		For Class 54 Rating, Add	*358.20*	
		For Class 55 Rating, Add	*796.16*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.41	712.95
		For Class 52 Rating, Deduct	*-159.19*	
		For Class 54 Rating, Add	*108.54*	
		For Class 55 Rating, Add	*241.25*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.18	715.83
		For Class 52 Rating, Deduct	*-171.34*	
		For Class 54 Rating, Add	*116.82*	
		For Class 55 Rating, Add	*259.65*	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,756.97	718.72
		For Class 52 Rating, Deduct	*-183.48*	
		For Class 54 Rating, Add	*125.10*	
		For Class 55 Rating, Add	*278.06*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.74	721.60
		For Class 52 Rating, Deduct	*-195.62*	
		For Class 54 Rating, Add	*133.38*	
		For Class 55 Rating, Add	*296.46*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,986.51	724.49
		For Class 52 Rating, Deduct	*-207.77*	
		For Class 54 Rating, Add	*141.66*	
		For Class 55 Rating, Add	*314.86*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,101.28	727.37
		For Class 52 Rating, Deduct	*-219.91*	
		For Class 54 Rating, Add	*149.94*	
		For Class 55 Rating, Add	*333.27*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.06	730.26
		For Class 52 Rating, Deduct	*-232.06*	
		For Class 54 Rating, Add	*158.22*	
		For Class 55 Rating, Add	*351.67*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.83	733.15
		For Class 52 Rating, Deduct	*-244.20*	
		For Class 54 Rating, Add	*166.50*	
		For Class 55 Rating, Add	*370.07*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,445.60	736.03
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*174.78*	
		For Class 55 Rating, Add	*388.48*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,560.37	738.92
		For Class 52 Rating, Deduct	*-268.49*	
		For Class 54 Rating, Add	*183.06*	
		For Class 55 Rating, Add	*406.88*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.15	741.80
		For Class 52 Rating, Deduct	*-280.63*	
		For Class 54 Rating, Add	*191.34*	
		For Class 55 Rating, Add	*425.29*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.92	744.69
		For Class 52 Rating, Deduct	*-292.78*	
		For Class 54 Rating, Add	*199.62*	
		For Class 55 Rating, Add	*443.69*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,904.69	747.57
		For Class 52 Rating, Deduct	*-304.92*	
		For Class 54 Rating, Add	*207.90*	
		For Class 55 Rating, Add	*462.09*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,019.46	750.46
		For Class 52 Rating, Deduct	*-317.06*	
		For Class 54 Rating, Add	*216.18*	
		For Class 55 Rating, Add	*480.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,134.24	753.36
		For Class 52 Rating, Deduct	*-329.21*	
		For Class 54 Rating, Add	*224.46*	
		For Class 55 Rating, Add	*498.90*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,249.02	756.24
		For Class 52 Rating, Deduct	*-341.35*	
		For Class 54 Rating, Add	*232.74*	
		For Class 55 Rating, Add	*517.30*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,363.79	759.13
		For Class 52 Rating, Deduct	*-353.50*	
		For Class 54 Rating, Add	*241.02*	
		For Class 55 Rating, Add	*535.71*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,478.56	762.01
		For Class 52 Rating, Deduct	*-365.64*	
		For Class 54 Rating, Add	*249.30*	
		For Class 55 Rating, Add	*554.11*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.34	764.90
		For Class 52 Rating, Deduct	*-377.78*	
		For Class 54 Rating, Add	*257.58*	
		For Class 55 Rating, Add	*572.51*	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,708.11	767.78
		For Class 52 Rating, Deduct	*-389.93*	
		For Class 54 Rating, Add	*265.86*	
		For Class 55 Rating, Add	*590.92*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,822.88	770.67
		For Class 52 Rating, Deduct	*-402.07*	
		For Class 54 Rating, Add	*274.14*	
		For Class 55 Rating, Add	*609.32*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,937.65	773.56
		For Class 52 Rating, Deduct	*-414.22*	
		For Class 54 Rating, Add	*282.42*	
		For Class 55 Rating, Add	*627.73*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,052.43	776.44
		For Class 52 Rating, Deduct	*-426.36*	
		For Class 54 Rating, Add	*290.70*	
		For Class 55 Rating, Add	*646.13*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,167.20	779.33
		For Class 52 Rating, Deduct	*-438.50*	
		For Class 54 Rating, Add	*298.98*	
		For Class 55 Rating, Add	*664.53*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.97	782.21
		For Class 52 Rating, Deduct	*-450.65*	
		For Class 54 Rating, Add	*307.26*	
		For Class 55 Rating, Add	*682.94*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,396.74	785.10
		For Class 52 Rating, Deduct	*-462.79*	
		For Class 54 Rating, Add	*315.54*	
		For Class 55 Rating, Add	*701.34*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,511.52	787.98
		For Class 52 Rating, Deduct	*-474.94*	
		For Class 54 Rating, Add	*323.82*	
		For Class 55 Rating, Add	*719.74*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,626.29	790.87
		For Class 52 Rating, Deduct	*-487.08*	
		For Class 54 Rating, Add	*332.10*	
		For Class 55 Rating, Add	*738.15*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,741.06	793.77
		For Class 52 Rating, Deduct	*-499.22*	
		For Class 54 Rating, Add	*340.38*	
		For Class 55 Rating, Add	*756.55*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,855.85	796.65
		For Class 52 Rating, Deduct	*-511.37*	
		For Class 54 Rating, Add	*348.66*	
		For Class 55 Rating, Add	*774.95*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,970.62	799.54
		For Class 52 Rating, Deduct	*-523.51*	
		For Class 54 Rating, Add	*356.94*	
		For Class 55 Rating, Add	*793.36*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.39	802.42
		For Class 52 Rating, Deduct	*-535.66*	
		For Class 54 Rating, Add	*365.22*	
		For Class 55 Rating, Add	*811.76*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,200.16	805.31
		For Class 52 Rating, Deduct	*-547.80*	
		For Class 54 Rating, Add	*373.50*	
		For Class 55 Rating, Add	*830.17*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,314.94	808.19
		For Class 52 Rating, Deduct	*-559.94*	
		For Class 54 Rating, Add	*381.78*	
		For Class 55 Rating, Add	*848.57*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,429.71	811.08
		For Class 52 Rating, Deduct	*-572.09*	
		For Class 54 Rating, Add	*390.06*	
		For Class 55 Rating, Add	*866.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,544.48	813.96
		For Class 52 Rating, Deduct	*-584.23*	
		For Class 54 Rating, Add	*398.34*	
		For Class 55 Rating, Add	*885.38*	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,659.25	816.85
		For Class 52 Rating, Deduct	*-596.38*	
		For Class 54 Rating, Add	*406.62*	
		For Class 55 Rating, Add	*903.78*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,774.03	819.74
		For Class 52 Rating, Deduct	*-608.52*	
		For Class 54 Rating, Add	*414.90*	
		For Class 55 Rating, Add	*922.18*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,083.42	842.83
		For Class 52 Rating, Deduct	*-198.70*	
		For Class 54 Rating, Add	*135.48*	
		For Class 55 Rating, Add	*301.13*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.59	845.72
		For Class 52 Rating, Deduct	*-213.75*	
		For Class 54 Rating, Add	*145.74*	
		For Class 55 Rating, Add	*323.93*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,365.76	848.60
		For Class 52 Rating, Deduct	*-228.80*	
		For Class 54 Rating, Add	*156.00*	
		For Class 55 Rating, Add	*346.74*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,506.93	851.49
		For Class 52 Rating, Deduct	*-243.85*	
		For Class 54 Rating, Add	*166.26*	
		For Class 55 Rating, Add	*369.54*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,648.11	854.37
		For Class 52 Rating, Deduct	*-258.90*	
		For Class 54 Rating, Add	*176.52*	
		For Class 55 Rating, Add	*392.35*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.28	857.26
		For Class 52 Rating, Deduct	*-273.94*	
		For Class 54 Rating, Add	*186.78*	
		For Class 55 Rating, Add	*415.15*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,930.45	860.15
		For Class 52 Rating, Deduct	*-288.99*	
		For Class 54 Rating, Add	*197.04*	
		For Class 55 Rating, Add	*437.95*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.62	863.03
		For Class 52 Rating, Deduct	*-304.04*	
		For Class 54 Rating, Add	*207.30*	
		For Class 55 Rating, Add	*460.76*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.80	865.92
		For Class 52 Rating, Deduct	*-319.09*	
		For Class 54 Rating, Add	*217.56*	
		For Class 55 Rating, Add	*483.56*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,353.97	868.80
		For Class 52 Rating, Deduct	*-334.14*	
		For Class 54 Rating, Add	*227.82*	
		For Class 55 Rating, Add	*506.37*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,495.14	871.69
		For Class 52 Rating, Deduct	*-349.18*	
		For Class 54 Rating, Add	*238.08*	
		For Class 55 Rating, Add	*529.17*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,636.33	874.58
		For Class 52 Rating, Deduct	*-364.23*	
		For Class 54 Rating, Add	*248.34*	
		For Class 55 Rating, Add	*551.98*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,777.50	877.47
		For Class 52 Rating, Deduct	*-379.28*	
		For Class 54 Rating, Add	*258.60*	
		For Class 55 Rating, Add	*574.78*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,918.67	880.36
		For Class 52 Rating, Deduct	*-394.33*	
		For Class 54 Rating, Add	*268.86*	
		For Class 55 Rating, Add	*597.59*	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,059.84	883.24
		For Class 52 Rating, Deduct	*-409.38*	
		For Class 54 Rating, Add	*279.12*	
		For Class 55 Rating, Add	*620.39*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,201.02	886.13
		For Class 52 Rating, Deduct	*-424.42*	
		For Class 54 Rating, Add	*289.38*	
		For Class 55 Rating, Add	*643.20*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,342.19	889.01
		For Class 52 Rating, Deduct	*-439.47*	
		For Class 54 Rating, Add	*299.64*	
		For Class 55 Rating, Add	*666.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,483.36	891.90
		For Class 52 Rating, Deduct	*-454.52*	
		For Class 54 Rating, Add	*309.90*	
		For Class 55 Rating, Add	*688.80*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,624.53	894.78
		For Class 52 Rating, Deduct	*-469.57*	
		For Class 54 Rating, Add	*320.16*	
		For Class 55 Rating, Add	*711.61*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,765.71	897.67
		For Class 52 Rating, Deduct	*-484.62*	
		For Class 54 Rating, Add	*330.42*	
		For Class 55 Rating, Add	*734.41*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,906.88	900.56
		For Class 52 Rating, Deduct	*-499.66*	
		For Class 54 Rating, Add	*340.68*	
		For Class 55 Rating, Add	*757.22*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,048.05	903.44
		For Class 52 Rating, Deduct	*-514.71*	
		For Class 54 Rating, Add	*350.94*	
		For Class 55 Rating, Add	*780.02*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,189.22	906.33
		For Class 52 Rating, Deduct	*-529.76*	
		For Class 54 Rating, Add	*361.20*	
		For Class 55 Rating, Add	*802.83*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,330.40	909.21
		For Class 52 Rating, Deduct	*-544.81*	
		For Class 54 Rating, Add	*371.46*	
		For Class 55 Rating, Add	*825.63*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,471.58	912.10
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*381.72*	
		For Class 55 Rating, Add	*848.44*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,612.75	914.99
		For Class 52 Rating, Deduct	*-574.90*	
		For Class 54 Rating, Add	*391.98*	
		For Class 55 Rating, Add	*871.24*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,753.92	917.88
		For Class 52 Rating, Deduct	*-589.95*	
		For Class 54 Rating, Add	*402.24*	
		For Class 55 Rating, Add	*894.05*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,895.10	920.77
		For Class 52 Rating, Deduct	*-605.00*	
		For Class 54 Rating, Add	*412.50*	
		For Class 55 Rating, Add	*916.85*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,036.27	923.65
		For Class 52 Rating, Deduct	*-620.05*	
		For Class 54 Rating, Add	*422.76*	
		For Class 55 Rating, Add	*939.65*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,251.79	975.60
		For Class 52 Rating, Deduct	*-635.10*	
		For Class 54 Rating, Add	*433.02*	
		For Class 55 Rating, Add	*962.46*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,392.96	978.49
		For Class 52 Rating, Deduct	*-650.14*	
		For Class 54 Rating, Add	*443.28*	
		For Class 55 Rating, Add	*985.26*	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,534.13	981.38
		For Class 52 Rating, Deduct	*-665.19*	
		For Class 54 Rating, Add	*453.54*	
		For Class 55 Rating, Add	*1,008.07*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,675.30	984.26
		For Class 52 Rating, Deduct	*-680.24*	
		For Class 54 Rating, Add	*463.80*	
		For Class 55 Rating, Add	*1,030.87*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,816.48	987.15
		For Class 52 Rating, Deduct	*-695.29*	
		For Class 54 Rating, Add	*474.06*	
		For Class 55 Rating, Add	*1,053.68*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,957.66	990.03
		For Class 52 Rating, Deduct	*-710.34*	
		For Class 54 Rating, Add	*484.32*	
		For Class 55 Rating, Add	*1,076.48*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,098.83	992.92
		For Class 52 Rating, Deduct	*-725.38*	
		For Class 54 Rating, Add	*494.58*	
		For Class 55 Rating, Add	*1,099.29*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,240.00	995.81
		For Class 52 Rating, Deduct	*-740.43*	
		For Class 54 Rating, Add	*504.84*	
		For Class 55 Rating, Add	*1,122.09*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,381.18	998.70
		For Class 52 Rating, Deduct	*-755.48*	
		For Class 54 Rating, Add	*515.10*	
		For Class 55 Rating, Add	*1,144.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398		30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,673.82	1,189.19
		For Class 52 Rating, Deduct	*-315.92*	
		For Class 54 Rating, Add	*215.40*	
		For Class 55 Rating, Add	*478.76*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.79	1,192.08
		For Class 52 Rating, Deduct	*-337.66*	
		For Class 54 Rating, Add	*230.22*	
		For Class 55 Rating, Add	*511.70*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,077.76	1,194.97
		For Class 52 Rating, Deduct	*-359.39*	
		For Class 54 Rating, Add	*245.04*	
		For Class 55 Rating, Add	*544.64*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,279.74	1,197.85
		For Class 52 Rating, Deduct	*-381.13*	
		For Class 54 Rating, Add	*259.86*	
		For Class 55 Rating, Add	*577.58*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,481.71	1,200.75
		For Class 52 Rating, Deduct	*-402.86*	
		For Class 54 Rating, Add	*274.68*	
		For Class 55 Rating, Add	*610.52*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,683.68	1,203.63
		For Class 52 Rating, Deduct	*-424.60*	
		For Class 54 Rating, Add	*289.50*	
		For Class 55 Rating, Add	*643.46*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,885.65	1,206.52
		For Class 52 Rating, Deduct	*-446.34*	
		For Class 54 Rating, Add	*304.32*	
		For Class 55 Rating, Add	*676.40*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,087.63	1,209.40
		For Class 52 Rating, Deduct	*-468.07*	
		For Class 54 Rating, Add	*319.14*	
		For Class 55 Rating, Add	*709.34*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,289.60	1,212.29
		For Class 52 Rating, Deduct	*-489.81*	
		For Class 54 Rating, Add	*333.96*	
		For Class 55 Rating, Add	*742.28*	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,491.57	1,215.18
		For Class 52 Rating, Deduct	*-511.54*	
		For Class 54 Rating, Add	*348.78*	
		For Class 55 Rating, Add	*775.22*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,693.54	1,218.06
		For Class 52 Rating, Deduct	*-533.28*	
		For Class 54 Rating, Add	*363.60*	
		For Class 55 Rating, Add	*808.16*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,895.53	1,220.95
		For Class 52 Rating, Deduct	*-555.02*	
		For Class 54 Rating, Add	*378.42*	
		For Class 55 Rating, Add	*841.10*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,097.50	1,223.83
		For Class 52 Rating, Deduct	*-576.75*	
		For Class 54 Rating, Add	*393.24*	
		For Class 55 Rating, Add	*874.04*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,299.47	1,226.72
		For Class 52 Rating, Deduct	*-598.49*	
		For Class 54 Rating, Add	*408.06*	
		For Class 55 Rating, Add	*906.98*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,501.44	1,229.60
		For Class 52 Rating, Deduct	*-620.22*	
		For Class 54 Rating, Add	*422.88*	
		For Class 55 Rating, Add	*939.92*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,703.42	1,232.49
		For Class 52 Rating, Deduct	*-641.96*	
		For Class 54 Rating, Add	*437.70*	
		For Class 55 Rating, Add	*972.86*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,905.39	1,235.38
		For Class 52 Rating, Deduct	*-663.70*	
		For Class 54 Rating, Add	*452.52*	
		For Class 55 Rating, Add	*1,005.80*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,107.36	1,238.26
		For Class 52 Rating, Deduct	*-685.43*	
		For Class 54 Rating, Add	*467.34*	
		For Class 55 Rating, Add	*1,038.74*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,309.33	1,241.16
		For Class 52 Rating, Deduct	*-707.17*	
		For Class 54 Rating, Add	*482.16*	
		For Class 55 Rating, Add	*1,071.68*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,511.31	1,244.04
		For Class 52 Rating, Deduct	*-728.90*	
		For Class 54 Rating, Add	*496.98*	
		For Class 55 Rating, Add	*1,104.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,713.28	1,246.93
		For Class 52 Rating, Deduct	*-750.64*	
		For Class 54 Rating, Add	*511.80*	
		For Class 55 Rating, Add	*1,137.56*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,915.25	1,249.81
		For Class 52 Rating, Deduct	*-772.38*	
		For Class 54 Rating, Add	*526.62*	
		For Class 55 Rating, Add	*1,170.50*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,117.22	1,252.70
		For Class 52 Rating, Deduct	*-794.11*	
		For Class 54 Rating, Add	*541.44*	
		For Class 55 Rating, Add	*1,203.44*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,319.20	1,255.59
		For Class 52 Rating, Deduct	*-815.85*	
		For Class 54 Rating, Add	*556.26*	
		For Class 55 Rating, Add	*1,236.38*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,520.37	1,258.47
		For Class 52 Rating, Deduct	*-837.50*	
		For Class 54 Rating, Add	*571.02*	
		For Class 55 Rating, Add	*1,269.19*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,723.15	1,261.36
		For Class 52 Rating, Deduct	*-859.32*	
		For Class 54 Rating, Add	*585.90*	
		For Class 55 Rating, Add	*1,302.26*	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,925.13	1,264.24
		For Class 52 Rating, Deduct	*-881.06*	
		For Class 54 Rating, Add	*600.72*	
		For Class 55 Rating, Add	*1,335.20*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,127.10	1,267.13
		For Class 52 Rating, Deduct	*-902.79*	
		For Class 54 Rating, Add	*615.54*	
		For Class 55 Rating, Add	*1,368.14*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,329.07	1,270.01
		For Class 52 Rating, Deduct	*-924.53*	
		For Class 54 Rating, Add	*630.36*	
		For Class 55 Rating, Add	*1,401.08*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,531.04	1,272.90
		For Class 52 Rating, Deduct	*-946.26*	
		For Class 54 Rating, Add	*645.18*	
		For Class 55 Rating, Add	*1,434.02*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,733.02	1,275.79
		For Class 52 Rating, Deduct	*-968.00*	
		For Class 54 Rating, Add	*660.00*	
		For Class 55 Rating, Add	*1,466.96*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,934.99	1,278.67
		For Class 52 Rating, Deduct	*-989.74*	
		For Class 54 Rating, Add	*674.82*	
		For Class 55 Rating, Add	*1,499.90*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,136.96	1,281.57
		For Class 52 Rating, Deduct	*-1,011.47*	
		For Class 54 Rating, Add	*689.64*	
		For Class 55 Rating, Add	*1,532.84*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,338.93	1,284.45
		For Class 52 Rating, Deduct	*-1,033.21*	
		For Class 54 Rating, Add	*704.46*	
		For Class 55 Rating, Add	*1,565.78*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,540.91	1,287.34
		For Class 52 Rating, Deduct	*-1,054.94*	
		For Class 54 Rating, Add	*719.28*	
		For Class 55 Rating, Add	*1,598.72*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,742.88	1,290.22
		For Class 52 Rating, Deduct	*-1,076.68*	
		For Class 54 Rating, Add	*734.10*	
		For Class 55 Rating, Add	*1,631.66*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,944.85	1,293.11
		For Class 52 Rating, Deduct	*-1,098.42*	
		For Class 54 Rating, Add	*748.92*	
		For Class 55 Rating, Add	*1,664.60*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,146.82	1,296.00
		For Class 52 Rating, Deduct	*-1,120.15*	
		For Class 54 Rating, Add	*763.74*	
		For Class 55 Rating, Add	*1,697.54*	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,392.48	1,506.70
		For Class 52 Rating, Deduct	*-452.06*	
		For Class 54 Rating, Add	*308.22*	
		For Class 55 Rating, Add	*685.07*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,665.66	1,509.59
		For Class 52 Rating, Deduct	*-481.62*	
		For Class 54 Rating, Add	*328.38*	
		For Class 55 Rating, Add	*729.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,938.83	1,512.47
		For Class 52 Rating, Deduct	*-511.19*	
		For Class 54 Rating, Add	*348.54*	
		For Class 55 Rating, Add	*774.69*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,212.00	1,515.36
		For Class 52 Rating, Deduct	*-540.76*	
		For Class 54 Rating, Add	*368.70*	
		For Class 55 Rating, Add	*819.50*	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,485.17	1,518.24
		For Class 52 Rating, Deduct	*-570.33*	
		For Class 54 Rating, Add	*388.86*	
		For Class 55 Rating, Add	*864.31*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,758.35	1,521.13
		For Class 52 Rating, Deduct	*-599.90*	
		For Class 54 Rating, Add	*409.02*	
		For Class 55 Rating, Add	*909.12*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,031.52	1,524.03
		For Class 52 Rating, Deduct	*-629.46*	
		For Class 54 Rating, Add	*429.18*	
		For Class 55 Rating, Add	*953.92*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,304.69	1,526.91
		For Class 52 Rating, Deduct	*-659.03*	
		For Class 54 Rating, Add	*449.34*	
		For Class 55 Rating, Add	*998.73*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,577.86	1,529.80
		For Class 52 Rating, Deduct	*-688.60*	
		For Class 54 Rating, Add	*469.50*	
		For Class 55 Rating, Add	*1,043.54*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,851.05	1,532.68
		For Class 52 Rating, Deduct	*-718.17*	
		For Class 54 Rating, Add	*489.66*	
		For Class 55 Rating, Add	*1,088.35*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,124.22	1,535.57
		For Class 52 Rating, Deduct	*-747.74*	
		For Class 54 Rating, Add	*509.82*	
		For Class 55 Rating, Add	*1,133.16*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,397.39	1,538.45
		For Class 52 Rating, Deduct	*-777.30*	
		For Class 54 Rating, Add	*529.98*	
		For Class 55 Rating, Add	*1,177.97*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,670.56	1,541.34
		For Class 52 Rating, Deduct	*-806.87*	
		For Class 54 Rating, Add	*550.14*	
		For Class 55 Rating, Add	*1,222.78*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,943.74	1,544.22
		For Class 52 Rating, Deduct	*-836.44*	
		For Class 54 Rating, Add	*570.30*	
		For Class 55 Rating, Add	*1,267.59*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,216.91	1,547.11
		For Class 52 Rating, Deduct	*-866.01*	
		For Class 54 Rating, Add	*590.46*	
		For Class 55 Rating, Add	*1,312.40*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,490.08	1,550.00
		For Class 52 Rating, Deduct	*-895.58*	
		For Class 54 Rating, Add	*610.62*	
		For Class 55 Rating, Add	*1,357.20*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,763.25	1,552.88
		For Class 52 Rating, Deduct	*-925.14*	
		For Class 54 Rating, Add	*630.78*	
		For Class 55 Rating, Add	*1,402.01*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,036.43	1,555.77
		For Class 52 Rating, Deduct	*-954.71*	
		For Class 54 Rating, Add	*650.94*	
		For Class 55 Rating, Add	*1,446.82*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,309.60	1,558.65
		For Class 52 Rating, Deduct	*-984.28*	
		For Class 54 Rating, Add	*671.10*	
		For Class 55 Rating, Add	*1,491.63*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,582.77	1,561.54
		For Class 52 Rating, Deduct	*-1,013.85*	
		For Class 54 Rating, Add	*691.26*	
		For Class 55 Rating, Add	*1,536.44*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,855.94	1,564.43
		For Class 52 Rating, Deduct	*-1,043.42*	
		For Class 54 Rating, Add	*711.42*	
		For Class 55 Rating, Add	*1,581.25*	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,129.12	1,567.32
		For Class 52 Rating, Deduct	*-1,072.98*	
		For Class 54 Rating, Add	*731.58*	
		For Class 55 Rating, Add	*1,626.06*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,402.30	1,570.21
		For Class 52 Rating, Deduct	*-1,102.55*	
		For Class 54 Rating, Add	*751.74*	
		For Class 55 Rating, Add	*1,670.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,675.47	1,573.09
		For Class 52 Rating, Deduct	*-1,132.12*	
		For Class 54 Rating, Add	*771.90*	
		For Class 55 Rating, Add	*1,715.68*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,948.65	1,575.98
		For Class 52 Rating, Deduct	*-1,161.69*	
		For Class 54 Rating, Add	*792.06*	
		For Class 55 Rating, Add	*1,760.49*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,221.82	1,578.86
		For Class 52 Rating, Deduct	*-1,191.26*	
		For Class 54 Rating, Add	*812.22*	
		For Class 55 Rating, Add	*1,805.29*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,494.99	1,581.75
		For Class 52 Rating, Deduct	*-1,220.82*	
		For Class 54 Rating, Add	*832.38*	
		For Class 55 Rating, Add	*1,850.10*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,768.16	1,584.63
		For Class 52 Rating, Deduct	*-1,250.39*	
		For Class 54 Rating, Add	*852.54*	
		For Class 55 Rating, Add	*1,894.91*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,041.34	1,587.52
		For Class 52 Rating, Deduct	*-1,279.96*	
		For Class 54 Rating, Add	*872.70*	
		For Class 55 Rating, Add	*1,939.72*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,314.51	1,590.41
		For Class 52 Rating, Deduct	*-1,309.53*	
		For Class 54 Rating, Add	*892.86*	
		For Class 55 Rating, Add	*1,984.53*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,587.68	1,593.29
		For Class 52 Rating, Deduct	*-1,339.10*	
		For Class 54 Rating, Add	*913.02*	
		For Class 55 Rating, Add	*2,029.34*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,860.85	1,596.18
		For Class 52 Rating, Deduct	*-1,368.66*	
		For Class 54 Rating, Add	*933.18*	
		For Class 55 Rating, Add	*2,074.15*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,134.03	1,599.06
		For Class 52 Rating, Deduct	*-1,398.23*	
		For Class 54 Rating, Add	*953.34*	
		For Class 55 Rating, Add	*2,118.96*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,407.20	1,601.95
		For Class 52 Rating, Deduct	*-1,427.80*	
		For Class 54 Rating, Add	*973.50*	
		For Class 55 Rating, Add	*2,163.77*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,680.37	1,604.84
		For Class 52 Rating, Deduct	*-1,457.37*	
		For Class 54 Rating, Add	*993.66*	
		For Class 55 Rating, Add	*2,208.57*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,953.54	1,607.73
		For Class 52 Rating, Deduct	*-1,486.94*	
		For Class 54 Rating, Add	*1,013.82*	
		For Class 55 Rating, Add	*2,253.38*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,226.73	1,610.62
		For Class 52 Rating, Deduct	*-1,516.50*	
		For Class 54 Rating, Add	*1,033.98*	
		For Class 55 Rating, Add	*2,298.19*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,499.90	1,613.50
		For Class 52 Rating, Deduct	*-1,546.07*	
		For Class 54 Rating, Add	*1,054.14*	
		For Class 55 Rating, Add	*2,343.00*	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,360.06	1,899.26
		For Class 52 Rating, Deduct	*-603.06*	
		For Class 54 Rating, Add	*411.18*	
		For Class 55 Rating, Add	*913.92*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,766.03	1,902.14
		For Class 52 Rating, Deduct	*-647.24*	
		For Class 54 Rating, Add	*441.30*	
		For Class 55 Rating, Add	*980.86*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,167.20	1,905.03
		For Class 52 Rating, Deduct	*-690.89*	
		For Class 54 Rating, Add	*471.06*	
		For Class 55 Rating, Add	*1,047.01*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,572.37	1,907.91
		For Class 52 Rating, Deduct	*-734.98*	
		For Class 54 Rating, Add	*501.12*	
		For Class 55 Rating, Add	*1,113.82*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,973.55	1,910.80
		For Class 52 Rating, Deduct	*-778.62*	
		For Class 54 Rating, Add	*530.88*	
		For Class 55 Rating, Add	*1,179.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,379.52	1,913.68
		For Class 52 Rating, Deduct	*-822.80*	
		For Class 54 Rating, Add	*561.00*	
		For Class 55 Rating, Add	*1,246.92*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,779.89	1,916.57
		For Class 52 Rating, Deduct	*-866.36*	
		For Class 54 Rating, Add	*590.70*	
		For Class 55 Rating, Add	*1,312.93*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,185.87	1,919.45
		For Class 52 Rating, Deduct	*-910.54*	
		For Class 54 Rating, Add	*620.82*	
		For Class 55 Rating, Add	*1,379.88*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,587.05	1,922.34
		For Class 52 Rating, Deduct	*-954.18*	
		For Class 54 Rating, Add	*650.58*	
		For Class 55 Rating, Add	*1,446.02*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,992.22	1,925.23
		For Class 52 Rating, Deduct	*-998.27*	
		For Class 54 Rating, Add	*680.64*	
		For Class 55 Rating, Add	*1,512.84*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,393.39	1,928.11
		For Class 52 Rating, Deduct	*-1,041.92*	
		For Class 54 Rating, Add	*710.40*	
		For Class 55 Rating, Add	*1,578.98*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,798.56	1,931.01
		For Class 52 Rating, Deduct	*-1,086.01*	
		For Class 54 Rating, Add	*740.46*	
		For Class 55 Rating, Add	*1,645.80*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,199.74	1,933.89
		For Class 52 Rating, Deduct	*-1,129.66*	
		For Class 54 Rating, Add	*770.22*	
		For Class 55 Rating, Add	*1,711.94*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,601.71	1,936.78
		For Class 52 Rating, Deduct	*-1,173.39*	
		For Class 54 Rating, Add	*800.04*	
		For Class 55 Rating, Add	*1,778.22*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,006.08	1,939.66
		For Class 52 Rating, Deduct	*-1,217.39*	
		For Class 54 Rating, Add	*830.04*	
		For Class 55 Rating, Add	*1,844.90*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,407.25	1,942.55
		For Class 52 Rating, Deduct	*-1,261.04*	
		For Class 54 Rating, Add	*859.80*	
		For Class 55 Rating, Add	*1,911.05*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,813.23	1,945.44
		For Class 52 Rating, Deduct	*-1,305.22*	
		For Class 54 Rating, Add	*889.92*	
		For Class 55 Rating, Add	*1,978.00*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,214.40	1,948.32
		For Class 52 Rating, Deduct	*-1,348.86*	
		For Class 54 Rating, Add	*919.68*	
		For Class 55 Rating, Add	*2,044.14*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,619.57	1,951.21
		For Class 52 Rating, Deduct	*-1,392.95*	
		For Class 54 Rating, Add	*949.74*	
		For Class 55 Rating, Add	*2,110.96*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,020.74	1,954.09
		For Class 52 Rating, Deduct	*-1,436.60*	
		For Class 54 Rating, Add	*979.50*	
		For Class 55 Rating, Add	*2,177.10*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,426.72	1,956.98
		For Class 52 Rating, Deduct	*-1,480.78*	
		For Class 54 Rating, Add	*1,009.62*	
		For Class 55 Rating, Add	*2,244.05*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,827.90	1,959.86
		For Class 52 Rating, Deduct	*-1,524.42*	
		For Class 54 Rating, Add	*1,039.38*	
		For Class 55 Rating, Add	*2,310.20*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,233.07	1,962.75
		For Class 52 Rating, Deduct	*-1,568.51*	
		For Class 54 Rating, Add	*1,069.44*	
		For Class 55 Rating, Add	*2,377.01*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,634.25	1,965.64
		For Class 52 Rating, Deduct	*-1,612.16*	
		For Class 54 Rating, Add	*1,099.20*	
		For Class 55 Rating, Add	*2,443.16*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,040.22	1,968.52
		For Class 52 Rating, Deduct	*-1,656.34*	
		For Class 54 Rating, Add	*1,129.32*	
		For Class 55 Rating, Add	*2,510.10*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,441.39	1,971.42
		For Class 52 Rating, Deduct	*-1,699.98*	
		For Class 54 Rating, Add	*1,159.08*	
		For Class 55 Rating, Add	*2,576.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,845.76	1,974.30
		For Class 52 Rating, Deduct	*-1,743.98*	
		For Class 54 Rating, Add	*1,189.08*	
		For Class 55 Rating, Add	*2,642.93*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,247.74	1,977.19
		For Class 52 Rating, Deduct	*-1,787.72*	
		For Class 54 Rating, Add	*1,218.90*	
		For Class 55 Rating, Add	*2,709.21*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,568.91	1,980.07
		For Class 52 Rating, Deduct	*-1,822.57*	
		For Class 54 Rating, Add	*1,242.66*	
		For Class 55 Rating, Add	*2,762.02*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,054.08	1,982.96
		For Class 52 Rating, Deduct	*-1,875.46*	
		For Class 54 Rating, Add	*1,278.72*	
		For Class 55 Rating, Add	*2,842.17*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,455.25	1,985.85
		For Class 52 Rating, Deduct	*-1,919.10*	
		For Class 54 Rating, Add	*1,308.48*	
		For Class 55 Rating, Add	*2,908.31*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,860.43	1,988.73
		For Class 52 Rating, Deduct	*-1,963.19*	
		For Class 54 Rating, Add	*1,338.54*	
		For Class 55 Rating, Add	*2,975.13*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,261.60	1,991.62
		For Class 52 Rating, Deduct	*-2,006.84*	
		For Class 54 Rating, Add	*1,368.30*	
		For Class 55 Rating, Add	*3,041.27*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,667.57	1,994.50
		For Class 52 Rating, Deduct	*-2,051.02*	
		For Class 54 Rating, Add	*1,398.42*	
		For Class 55 Rating, Add	*3,108.22*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,067.95	1,997.39
		For Class 52 Rating, Deduct	*-2,094.58*	
		For Class 54 Rating, Add	*1,428.12*	
		For Class 55 Rating, Add	*3,174.23*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,473.93	2,000.27
		For Class 52 Rating, Deduct	*-2,138.75*	
		For Class 54 Rating, Add	*1,458.24*	
		For Class 55 Rating, Add	*3,241.18*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,875.10	2,003.16
		For Class 52 Rating, Deduct	*-2,182.40*	
		For Class 54 Rating, Add	*1,488.00*	
		For Class 55 Rating, Add	*3,307.33*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,280.27	2,006.05
		For Class 52 Rating, Deduct	*-2,226.49*	
		For Class 54 Rating, Add	*1,518.06*	
		For Class 55 Rating, Add	*3,374.14*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,490.35	2,387.06
		For Class 52 Rating, Deduct	*-756.10*	
		For Class 54 Rating, Add	*515.52*	
		For Class 55 Rating, Add	*1,145.83*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,079.53	2,389.94
		For Class 52 Rating, Deduct	*-820.42*	
		For Class 54 Rating, Add	*559.38*	
		For Class 55 Rating, Add	*1,243.32*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,667.90	2,392.83
		For Class 52 Rating, Deduct	*-884.66*	
		For Class 54 Rating, Add	*603.18*	
		For Class 55 Rating, Add	*1,340.67*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,261.07	2,395.71
		For Class 52 Rating, Deduct	*-949.43*	
		For Class 54 Rating, Add	*647.34*	
		For Class 55 Rating, Add	*1,438.82*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,850.24	2,398.60
		For Class 52 Rating, Deduct	*-1,013.76*	
		For Class 54 Rating, Add	*691.20*	
		For Class 55 Rating, Add	*1,536.31*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,439.42	2,401.49
		For Class 52 Rating, Deduct	*-1,078.09*	
		For Class 54 Rating, Add	*735.06*	
		For Class 55 Rating, Add	*1,633.79*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,031.79	2,404.37
		For Class 52 Rating, Deduct	*-1,142.77*	
		For Class 54 Rating, Add	*779.16*	
		For Class 55 Rating, Add	*1,731.81*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,621.76	2,407.26
		For Class 52 Rating, Deduct	*-1,207.18*	
		For Class 54 Rating, Add	*823.08*	
		For Class 55 Rating, Add	*1,829.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,210.13	2,410.14
		For Class 52 Rating, Deduct	*-1,271.42*	
		For Class 54 Rating, Add	*866.88*	
		For Class 55 Rating, Add	*1,926.79*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,803.31	2,413.03
		For Class 52 Rating, Deduct	*-1,336.19*	
		For Class 54 Rating, Add	*911.04*	
		For Class 55 Rating, Add	*2,024.94*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,392.48	2,415.91
		For Class 52 Rating, Deduct	*-1,400.52*	
		For Class 54 Rating, Add	*954.90*	
		For Class 55 Rating, Add	*2,122.42*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,985.65	2,418.81
		For Class 52 Rating, Deduct	*-1,465.29*	
		For Class 54 Rating, Add	*999.06*	
		For Class 55 Rating, Add	*2,220.58*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,574.02	2,421.70
		For Class 52 Rating, Deduct	*-1,529.53*	
		For Class 54 Rating, Add	*1,042.86*	
		For Class 55 Rating, Add	*2,317.93*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,163.21	2,424.58
		For Class 52 Rating, Deduct	*-1,593.86*	
		For Class 54 Rating, Add	*1,086.72*	
		For Class 55 Rating, Add	*2,415.42*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,756.38	2,427.47
		For Class 52 Rating, Deduct	*-1,658.62*	
		For Class 54 Rating, Add	*1,130.88*	
		For Class 55 Rating, Add	*2,513.57*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,345.55	2,430.35
		For Class 52 Rating, Deduct	*-1,722.95*	
		For Class 54 Rating, Add	*1,174.74*	
		For Class 55 Rating, Add	*2,611.06*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,933.92	2,433.24
		For Class 52 Rating, Deduct	*-1,787.19*	
		For Class 54 Rating, Add	*1,218.54*	
		For Class 55 Rating, Add	*2,708.41*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,527.10	2,436.12
		For Class 52 Rating, Deduct	*-1,851.96*	
		For Class 54 Rating, Add	*1,262.70*	
		For Class 55 Rating, Add	*2,806.56*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,116.27	2,439.01
		For Class 52 Rating, Deduct	*-1,916.29*	
		For Class 54 Rating, Add	*1,306.56*	
		For Class 55 Rating, Add	*2,904.05*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,704.64	2,441.90
		For Class 52 Rating, Deduct	*-1,980.53*	
		For Class 54 Rating, Add	*1,350.36*	
		For Class 55 Rating, Add	*3,001.40*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,297.82	2,444.78
		For Class 52 Rating, Deduct	*-2,045.30*	
		For Class 54 Rating, Add	*1,394.52*	
		For Class 55 Rating, Add	*3,099.55*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,887.79	2,447.67
		For Class 52 Rating, Deduct	*-2,109.71*	
		For Class 54 Rating, Add	*1,438.44*	
		For Class 55 Rating, Add	*3,197.17*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,476.16	2,450.55
		For Class 52 Rating, Deduct	*-2,173.95*	
		For Class 54 Rating, Add	*1,482.24*	
		For Class 55 Rating, Add	*3,294.53*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,069.33	2,453.44
		For Class 52 Rating, Deduct	*-2,238.72*	
		For Class 54 Rating, Add	*1,526.40*	
		For Class 55 Rating, Add	*3,392.68*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,658.51	2,456.32
		For Class 52 Rating, Deduct	*-2,303.05*	
		For Class 54 Rating, Add	*1,570.26*	
		For Class 55 Rating, Add	*3,490.16*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,246.88	2,459.22
		For Class 52 Rating, Deduct	*-2,367.29*	
		For Class 54 Rating, Add	*1,614.06*	
		For Class 55 Rating, Add	*3,587.52*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,840.06	2,462.11
		For Class 52 Rating, Deduct	*-2,432.06*	
		For Class 54 Rating, Add	*1,658.22*	
		For Class 55 Rating, Add	*3,685.67*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,429.23	2,464.99
		For Class 52 Rating, Deduct	*-2,496.38*	
		For Class 54 Rating, Add	*1,702.08*	
		For Class 55 Rating, Add	*3,783.16*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,946.41	2,467.88
		For Class 52 Rating, Deduct	*-2,552.79*	
		For Class 54 Rating, Add	*1,740.54*	
		For Class 55 Rating, Add	*3,868.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,611.58	2,470.76
		For Class 52 Rating, Deduct	*-2,625.48*	
		For Class 54 Rating, Add	*1,790.10*	
		For Class 55 Rating, Add	*3,978.80*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,199.95	2,473.65
		For Class 52 Rating, Deduct	*-2,689.72*	
		For Class 54 Rating, Add	*1,833.90*	
		For Class 55 Rating, Add	*4,076.15*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,793.92	2,476.53
		For Class 52 Rating, Deduct	*-2,754.58*	
		For Class 54 Rating, Add	*1,878.12*	
		For Class 55 Rating, Add	*4,174.43*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,382.30	2,479.42
		For Class 52 Rating, Deduct	*-2,818.82*	
		For Class 54 Rating, Add	*1,921.92*	
		For Class 55 Rating, Add	*4,271.79*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,970.67	2,482.30
		For Class 52 Rating, Deduct	*-2,883.06*	
		For Class 54 Rating, Add	*1,965.72*	
		For Class 55 Rating, Add	*4,369.14*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,564.64	2,485.19
		For Class 52 Rating, Deduct	*-2,947.91*	
		For Class 54 Rating, Add	*2,009.94*	
		For Class 55 Rating, Add	*4,467.43*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,153.01	2,488.08
		For Class 52 Rating, Deduct	*-3,012.15*	
		For Class 54 Rating, Add	*2,053.74*	
		For Class 55 Rating, Add	*4,564.78*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,742.19	2,490.96
		For Class 52 Rating, Deduct	*-3,076.48*	
		For Class 54 Rating, Add	*2,097.60*	
		For Class 55 Rating, Add	*4,662.27*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,335.36	2,493.85
		For Class 52 Rating, Deduct	*-3,141.25*	
		For Class 54 Rating, Add	*2,141.76*	
		For Class 55 Rating, Add	*4,760.42*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	336.12	132.09
		For Class 52 Rating, Deduct	*-14.96*	
		For Class 54 Rating, Add	*10.20*	
		For Class 55 Rating, Add	*22.67*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	360.42	134.39
		For Class 52 Rating, Deduct	*-17.25*	
		For Class 54 Rating, Add	*11.76*	
		For Class 55 Rating, Add	*26.14*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	384.72	136.70
		For Class 52 Rating, Deduct	*-19.54*	
		For Class 54 Rating, Add	*13.32*	
		For Class 55 Rating, Add	*29.61*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	409.02	139.01
		For Class 52 Rating, Deduct	*-21.82*	
		For Class 54 Rating, Add	*14.88*	
		For Class 55 Rating, Add	*33.07*	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	433.32	141.32
		For Class 52 Rating, Deduct	*-24.11*	
		For Class 54 Rating, Add	*16.44*	
		For Class 55 Rating, Add	*36.54*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	457.61	143.63
		For Class 52 Rating, Deduct	*-26.40*	
		For Class 54 Rating, Add	*18.00*	
		For Class 55 Rating, Add	*40.01*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	481.92	145.94
		For Class 52 Rating, Deduct	*-28.69*	
		For Class 54 Rating, Add	*19.56*	
		For Class 55 Rating, Add	*43.48*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	506.22	148.24
		For Class 52 Rating, Deduct	*-30.98*	
		For Class 54 Rating, Add	*21.12*	
		For Class 55 Rating, Add	*46.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	530.51	150.56
		For Class 52 Rating, Deduct	*-33.26*	
		For Class 54 Rating, Add	*22.68*	
		For Class 55 Rating, Add	*50.41*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	554.81	152.87
		For Class 52 Rating, Deduct	*-35.55*	
		For Class 54 Rating, Add	*24.24*	
		For Class 55 Rating, Add	*53.88*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	579.11	155.17
		For Class 52 Rating, Deduct	*-37.84*	
		For Class 54 Rating, Add	*25.80*	
		For Class 55 Rating, Add	*57.34*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	603.41	157.48
		For Class 52 Rating, Deduct	*-40.13*	
		For Class 54 Rating, Add	*27.36*	
		For Class 55 Rating, Add	*60.81*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.71	159.80
		For Class 52 Rating, Deduct	*-42.42*	
		For Class 54 Rating, Add	*28.92*	
		For Class 55 Rating, Add	*64.28*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	652.01	162.10
		For Class 52 Rating, Deduct	*-44.70*	
		For Class 54 Rating, Add	*30.48*	
		For Class 55 Rating, Add	*67.75*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	676.30	164.41
		For Class 52 Rating, Deduct	*-46.99*	
		For Class 54 Rating, Add	*32.04*	
		For Class 55 Rating, Add	*71.21*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	700.60	166.73
		For Class 52 Rating, Deduct	*-49.28*	
		For Class 54 Rating, Add	*33.60*	
		For Class 55 Rating, Add	*74.68*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	724.91	169.03
		For Class 52 Rating, Deduct	*-51.57*	
		For Class 54 Rating, Add	*35.16*	
		For Class 55 Rating, Add	*78.15*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	749.20	171.34
		For Class 52 Rating, Deduct	*-53.86*	
		For Class 54 Rating, Add	*36.72*	
		For Class 55 Rating, Add	*81.62*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	773.50	173.64
		For Class 52 Rating, Deduct	*-56.14*	
		For Class 54 Rating, Add	*38.28*	
		For Class 55 Rating, Add	*85.08*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	797.80	175.96
		For Class 52 Rating, Deduct	*-58.43*	
		For Class 54 Rating, Add	*39.84*	
		For Class 55 Rating, Add	*88.55*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.09	178.27
		For Class 52 Rating, Deduct	*-60.72*	
		For Class 54 Rating, Add	*41.40*	
		For Class 55 Rating, Add	*92.02*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	846.40	180.57
		For Class 52 Rating, Deduct	*-63.01*	
		For Class 54 Rating, Add	*42.96*	
		For Class 55 Rating, Add	*95.49*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.70	182.88
		For Class 52 Rating, Deduct	*-65.30*	
		For Class 54 Rating, Add	*44.52*	
		For Class 55 Rating, Add	*98.95*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	894.99	185.20
		For Class 52 Rating, Deduct	*-67.58*	
		For Class 54 Rating, Add	*46.08*	
		For Class 55 Rating, Add	*102.42*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	919.29	187.50
		For Class 52 Rating, Deduct	*-69.87*	
		For Class 54 Rating, Add	*47.64*	
		For Class 55 Rating, Add	*105.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	943.59	189.81
		For Class 52 Rating, Deduct	*-72.16*	
		For Class 54 Rating, Add	*49.20*	
		For Class 55 Rating, Add	*109.36*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	967.89	192.12
		For Class 52 Rating, Deduct	*-74.45*	
		For Class 54 Rating, Add	*50.76*	
		For Class 55 Rating, Add	*112.82*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	992.19	194.43
		For Class 52 Rating, Deduct	*-76.74*	
		For Class 54 Rating, Add	*52.32*	
		For Class 55 Rating, Add	*116.29*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,016.49	196.74
		For Class 52 Rating, Deduct	*-79.02*	
		For Class 54 Rating, Add	*53.88*	
		For Class 55 Rating, Add	*119.76*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.78	199.05
		For Class 52 Rating, Deduct	*-81.31*	
		For Class 54 Rating, Add	*55.44*	
		For Class 55 Rating, Add	*123.22*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.08	201.35
		For Class 52 Rating, Deduct	*-83.60*	
		For Class 54 Rating, Add	*57.00*	
		For Class 55 Rating, Add	*126.69*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.39	203.67
		For Class 52 Rating, Deduct	*-85.89*	
		For Class 54 Rating, Add	*58.56*	
		For Class 55 Rating, Add	*130.16*	
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,113.68	205.98
		For Class 52 Rating, Deduct	*-88.18*	
		For Class 54 Rating, Add	*60.12*	
		For Class 55 Rating, Add	*133.63*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,137.98	208.28
		For Class 52 Rating, Deduct	*-90.46*	
		For Class 54 Rating, Add	*61.68*	
		For Class 55 Rating, Add	*137.09*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,162.28	210.59
		For Class 52 Rating, Deduct	*-92.75*	
		For Class 54 Rating, Add	*63.24*	
		For Class 55 Rating, Add	*140.56*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.58	212.91
		For Class 52 Rating, Deduct	*-95.04*	
		For Class 54 Rating, Add	*64.80*	
		For Class 55 Rating, Add	*144.03*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.88	215.21
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.18	217.52
		For Class 52 Rating, Deduct	*-99.62*	
		For Class 54 Rating, Add	*67.92*	
		For Class 55 Rating, Add	*150.96*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,259.47	219.83
		For Class 52 Rating, Deduct	*-101.90*	
		For Class 54 Rating, Add	*69.48*	
		For Class 55 Rating, Add	*154.43*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	420.70	166.25
		For Class 52 Rating, Deduct	*-18.57*	
		For Class 54 Rating, Add	*12.66*	
		For Class 55 Rating, Add	*28.14*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	449.80	168.57
		For Class 52 Rating, Deduct	*-21.38*	
		For Class 54 Rating, Add	*14.58*	
		For Class 55 Rating, Add	*32.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	478.90	170.87
		For Class 52 Rating, Deduct	*-24.20*	
		For Class 54 Rating, Add	*16.50*	
		For Class 55 Rating, Add	*36.67*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	508.00	173.18
		For Class 52 Rating, Deduct	*-27.02*	
		For Class 54 Rating, Add	*18.42*	
		For Class 55 Rating, Add	*40.94*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	537.10	175.50
		For Class 52 Rating, Deduct	*-29.83*	
		For Class 54 Rating, Add	*20.34*	
		For Class 55 Rating, Add	*45.21*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	566.20	177.80
		For Class 52 Rating, Deduct	*-32.65*	
		For Class 54 Rating, Add	*22.26*	
		For Class 55 Rating, Add	*49.48*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	595.29	180.11
		For Class 52 Rating, Deduct	*-35.46*	
		For Class 54 Rating, Add	*24.18*	
		For Class 55 Rating, Add	*53.74*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	624.39	182.42
		For Class 52 Rating, Deduct	*-38.28*	
		For Class 54 Rating, Add	*26.10*	
		For Class 55 Rating, Add	*58.01*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	653.50	184.73
		For Class 52 Rating, Deduct	*-41.10*	
		For Class 54 Rating, Add	*28.02*	
		For Class 55 Rating, Add	*62.28*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	682.59	187.04
		For Class 52 Rating, Deduct	*-43.91*	
		For Class 54 Rating, Add	*29.94*	
		For Class 55 Rating, Add	*66.55*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	711.69	189.35
		For Class 52 Rating, Deduct	*-46.73*	
		For Class 54 Rating, Add	*31.86*	
		For Class 55 Rating, Add	*70.81*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	740.79	191.65
		For Class 52 Rating, Deduct	*-49.54*	
		For Class 54 Rating, Add	*33.78*	
		For Class 55 Rating, Add	*75.08*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.88	193.97
		For Class 52 Rating, Deduct	*-52.36*	
		For Class 54 Rating, Add	*35.70*	
		For Class 55 Rating, Add	*79.35*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	798.99	196.28
		For Class 52 Rating, Deduct	*-55.18*	
		For Class 54 Rating, Add	*37.62*	
		For Class 55 Rating, Add	*83.62*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	828.09	198.58
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	857.18	200.89
		For Class 52 Rating, Deduct	*-60.81*	
		For Class 54 Rating, Add	*41.46*	
		For Class 55 Rating, Add	*92.15*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	886.28	203.21
		For Class 52 Rating, Deduct	*-63.62*	
		For Class 54 Rating, Add	*43.38*	
		For Class 55 Rating, Add	*96.42*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	915.38	205.51
		For Class 52 Rating, Deduct	*-66.44*	
		For Class 54 Rating, Add	*45.30*	
		For Class 55 Rating, Add	*100.69*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	944.48	207.82
		For Class 52 Rating, Deduct	*-69.26*	
		For Class 54 Rating, Add	*47.22*	
		For Class 55 Rating, Add	*104.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.58	210.13
		For Class 52 Rating, Deduct	*-72.07*	
		For Class 54 Rating, Add	*49.14*	
		For Class 55 Rating, Add	*109.22*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.68	212.44
		For Class 52 Rating, Deduct	*-74.89*	
		For Class 54 Rating, Add	*51.06*	
		For Class 55 Rating, Add	*113.49*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.77	214.75
		For Class 52 Rating, Deduct	*-77.70*	
		For Class 54 Rating, Add	*52.98*	
		For Class 55 Rating, Add	*117.76*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.87	217.06
		For Class 52 Rating, Deduct	*-80.52*	
		For Class 54 Rating, Add	*54.90*	
		For Class 55 Rating, Add	*122.02*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.98	219.36
		For Class 52 Rating, Deduct	*-83.34*	
		For Class 54 Rating, Add	*56.82*	
		For Class 55 Rating, Add	*126.29*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.07	221.68
		For Class 52 Rating, Deduct	*-86.15*	
		For Class 54 Rating, Add	*58.74*	
		For Class 55 Rating, Add	*130.56*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.17	223.99
		For Class 52 Rating, Deduct	*-88.97*	
		For Class 54 Rating, Add	*60.66*	
		For Class 55 Rating, Add	*134.83*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,177.27	226.29
		For Class 52 Rating, Deduct	*-91.78*	
		For Class 54 Rating, Add	*62.58*	
		For Class 55 Rating, Add	*139.09*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.37	228.60
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.47	230.92
		For Class 52 Rating, Deduct	*-97.42*	
		For Class 54 Rating, Add	*66.42*	
		For Class 55 Rating, Add	*147.63*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.57	233.22
		For Class 52 Rating, Deduct	*-100.23*	
		For Class 54 Rating, Add	*68.34*	
		For Class 55 Rating, Add	*151.90*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.66	235.53
		For Class 52 Rating, Deduct	*-103.05*	
		For Class 54 Rating, Add	*70.26*	
		For Class 55 Rating, Add	*156.16*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.76	237.83
		For Class 52 Rating, Deduct	*-105.86*	
		For Class 54 Rating, Add	*72.18*	
		For Class 55 Rating, Add	*160.43*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.87	240.15
		For Class 52 Rating, Deduct	*-108.68*	
		For Class 54 Rating, Add	*74.10*	
		For Class 55 Rating, Add	*164.70*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.96	242.46
		For Class 52 Rating, Deduct	*-111.50*	
		For Class 54 Rating, Add	*76.02*	
		For Class 55 Rating, Add	*168.97*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.06	244.76
		For Class 52 Rating, Deduct	*-114.31*	
		For Class 54 Rating, Add	*77.94*	
		For Class 55 Rating, Add	*173.23*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.16	247.07
		For Class 52 Rating, Deduct	*-117.13*	
		For Class 54 Rating, Add	*79.86*	
		For Class 55 Rating, Add	*177.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,468.25	249.39
		For Class 52 Rating, Deduct	*-119.94*	
		For Class 54 Rating, Add	*81.78*	
		For Class 55 Rating, Add	*181.77*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,497.36	251.69
		For Class 52 Rating, Deduct	*-122.76*	
		For Class 54 Rating, Add	*83.70*	
		For Class 55 Rating, Add	*186.04*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,526.46	254.00
		For Class 52 Rating, Deduct	*-125.58*	
		For Class 54 Rating, Add	*85.62*	
		For Class 55 Rating, Add	*190.30*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	568.28	212.44
		For Class 52 Rating, Deduct	*-27.10*	
		For Class 54 Rating, Add	*18.48*	
		For Class 55 Rating, Add	*41.07*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.97	214.75
		For Class 52 Rating, Deduct	*-30.98*	
		For Class 54 Rating, Add	*21.12*	
		For Class 55 Rating, Add	*46.94*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	645.67	217.06
		For Class 52 Rating, Deduct	*-34.85*	
		For Class 54 Rating, Add	*23.76*	
		For Class 55 Rating, Add	*52.81*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	684.38	219.36
		For Class 52 Rating, Deduct	*-38.72*	
		For Class 54 Rating, Add	*26.40*	
		For Class 55 Rating, Add	*58.68*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	723.07	221.68
		For Class 52 Rating, Deduct	*-42.59*	
		For Class 54 Rating, Add	*29.04*	
		For Class 55 Rating, Add	*64.55*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.77	223.99
		For Class 52 Rating, Deduct	*-46.46*	
		For Class 54 Rating, Add	*31.68*	
		For Class 55 Rating, Add	*70.41*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	800.47	226.29
		For Class 52 Rating, Deduct	*-50.34*	
		For Class 54 Rating, Add	*34.32*	
		For Class 55 Rating, Add	*76.28*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	839.17	228.60
		For Class 52 Rating, Deduct	*-54.21*	
		For Class 54 Rating, Add	*36.96*	
		For Class 55 Rating, Add	*82.15*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	877.87	230.92
		For Class 52 Rating, Deduct	*-58.08*	
		For Class 54 Rating, Add	*39.60*	
		For Class 55 Rating, Add	*88.02*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	916.57	233.22
		For Class 52 Rating, Deduct	*-61.95*	
		For Class 54 Rating, Add	*42.24*	
		For Class 55 Rating, Add	*93.89*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	955.26	235.53
		For Class 52 Rating, Deduct	*-65.82*	
		For Class 54 Rating, Add	*44.88*	
		For Class 55 Rating, Add	*99.75*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.96	237.83
		For Class 52 Rating, Deduct	*-69.70*	
		For Class 54 Rating, Add	*47.52*	
		For Class 55 Rating, Add	*105.62*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,032.67	240.15
		For Class 52 Rating, Deduct	*-73.57*	
		For Class 54 Rating, Add	*50.16*	
		For Class 55 Rating, Add	*111.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.36	242.46
		For Class 52 Rating, Deduct	*-77.44*	
		For Class 54 Rating, Add	*52.80*	
		For Class 55 Rating, Add	*117.36*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,110.06	244.76
		For Class 52 Rating, Deduct	*-81.31*	
		For Class 54 Rating, Add	*55.44*	
		For Class 55 Rating, Add	*123.22*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.76	247.07
		For Class 52 Rating, Deduct	*-85.18*	
		For Class 54 Rating, Add	*58.08*	
		For Class 55 Rating, Add	*129.09*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,187.45	249.39
		For Class 52 Rating, Deduct	*-89.06*	
		For Class 54 Rating, Add	*60.72*	
		For Class 55 Rating, Add	*134.96*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,226.16	251.69
		For Class 52 Rating, Deduct	*-92.93*	
		For Class 54 Rating, Add	*63.36*	
		For Class 55 Rating, Add	*140.83*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.86	254.00
		For Class 52 Rating, Deduct	*-96.80*	
		For Class 54 Rating, Add	*66.00*	
		For Class 55 Rating, Add	*146.70*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.55	256.32
		For Class 52 Rating, Deduct	*-100.67*	
		For Class 54 Rating, Add	*68.64*	
		For Class 55 Rating, Add	*152.56*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,342.25	258.62
		For Class 52 Rating, Deduct	*-104.54*	
		For Class 54 Rating, Add	*71.28*	
		For Class 55 Rating, Add	*158.43*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.95	260.93
		For Class 52 Rating, Deduct	*-108.42*	
		For Class 54 Rating, Add	*73.92*	
		For Class 55 Rating, Add	*164.30*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,419.65	263.24
		For Class 52 Rating, Deduct	*-112.29*	
		For Class 54 Rating, Add	*76.56*	
		For Class 55 Rating, Add	*170.17*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,458.35	265.55
		For Class 52 Rating, Deduct	*-116.16*	
		For Class 54 Rating, Add	*79.20*	
		For Class 55 Rating, Add	*176.04*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,497.05	267.86
		For Class 52 Rating, Deduct	*-120.03*	
		For Class 54 Rating, Add	*81.84*	
		For Class 55 Rating, Add	*181.90*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,535.74	270.17
		For Class 52 Rating, Deduct	*-123.90*	
		For Class 54 Rating, Add	*84.48*	
		For Class 55 Rating, Add	*187.77*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,574.44	272.47
		For Class 52 Rating, Deduct	*-127.78*	
		For Class 54 Rating, Add	*87.12*	
		For Class 55 Rating, Add	*193.64*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.14	274.79
		For Class 52 Rating, Deduct	*-131.65*	
		For Class 54 Rating, Add	*89.76*	
		For Class 55 Rating, Add	*199.51*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,651.84	277.10
		For Class 52 Rating, Deduct	*-135.52*	
		For Class 54 Rating, Add	*92.40*	
		For Class 55 Rating, Add	*205.37*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,690.54	279.40
		For Class 52 Rating, Deduct	*-139.39*	
		For Class 54 Rating, Add	*95.04*	
		For Class 55 Rating, Add	*211.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.23	281.71
		For Class 52 Rating, Deduct	*-143.26*	
		For Class 54 Rating, Add	*97.68*	
		For Class 55 Rating, Add	*217.11*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,767.94	284.03
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*100.32*	
		For Class 55 Rating, Add	*222.98*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,806.64	286.33
		For Class 52 Rating, Deduct	*-151.01*	
		For Class 54 Rating, Add	*102.96*	
		For Class 55 Rating, Add	*228.85*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.33	288.64
		For Class 52 Rating, Deduct	*-154.88*	
		For Class 54 Rating, Add	*105.60*	
		For Class 55 Rating, Add	*234.71*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.03	290.95
		For Class 52 Rating, Deduct	*-158.75*	
		For Class 54 Rating, Add	*108.24*	
		For Class 55 Rating, Add	*240.58*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.73	293.26
		For Class 52 Rating, Deduct	*-162.62*	
		For Class 54 Rating, Add	*110.88*	
		For Class 55 Rating, Add	*246.45*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.43	295.57
		For Class 52 Rating, Deduct	*-166.50*	
		For Class 54 Rating, Add	*113.52*	
		For Class 55 Rating, Add	*252.32*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,000.13	297.88
		For Class 52 Rating, Deduct	*-170.37*	
		For Class 54 Rating, Add	*116.16*	
		For Class 55 Rating, Add	*258.18*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,038.83	300.18
		For Class 52 Rating, Deduct	*-174.24*	
		For Class 54 Rating, Add	*118.80*	
		For Class 55 Rating, Add	*264.05*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	707.05	258.62
		For Class 52 Rating, Deduct	*-34.67*	
		For Class 54 Rating, Add	*23.64*	
		For Class 55 Rating, Add	*52.54*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	756.95	260.93
		For Class 52 Rating, Deduct	*-39.78*	
		For Class 54 Rating, Add	*27.12*	
		For Class 55 Rating, Add	*60.28*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	806.85	263.24
		For Class 52 Rating, Deduct	*-44.88*	
		For Class 54 Rating, Add	*30.60*	
		For Class 55 Rating, Add	*68.01*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.75	265.55
		For Class 52 Rating, Deduct	*-49.98*	
		For Class 54 Rating, Add	*34.08*	
		For Class 55 Rating, Add	*75.75*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.65	267.86
		For Class 52 Rating, Deduct	*-55.09*	
		For Class 54 Rating, Add	*37.56*	
		For Class 55 Rating, Add	*83.48*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	956.54	270.17
		For Class 52 Rating, Deduct	*-60.19*	
		For Class 54 Rating, Add	*41.04*	
		For Class 55 Rating, Add	*91.22*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,006.44	272.47
		For Class 52 Rating, Deduct	*-65.30*	
		For Class 54 Rating, Add	*44.52*	
		For Class 55 Rating, Add	*98.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,056.34	274.79
		For Class 52 Rating, Deduct	*-70.40*	
		For Class 54 Rating, Add	*48.00*	
		For Class 55 Rating, Add	*106.69*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.24	277.10
		For Class 52 Rating, Deduct	*-75.50*	
		For Class 54 Rating, Add	*51.48*	
		For Class 55 Rating, Add	*114.42*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.14	279.40
		For Class 52 Rating, Deduct	*-80.61*	
		For Class 54 Rating, Add	*54.96*	
		For Class 55 Rating, Add	*122.16*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.03	281.71
		For Class 52 Rating, Deduct	*-85.71*	
		For Class 54 Rating, Add	*58.44*	
		For Class 55 Rating, Add	*129.89*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.94	284.03
		For Class 52 Rating, Deduct	*-90.82*	
		For Class 54 Rating, Add	*61.92*	
		For Class 55 Rating, Add	*137.63*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,305.84	286.33
		For Class 52 Rating, Deduct	*-95.92*	
		For Class 54 Rating, Add	*65.40*	
		For Class 55 Rating, Add	*145.36*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,355.73	288.64
		For Class 52 Rating, Deduct	*-101.02*	
		For Class 54 Rating, Add	*68.88*	
		For Class 55 Rating, Add	*153.10*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.63	290.95
		For Class 52 Rating, Deduct	*-106.13*	
		For Class 54 Rating, Add	*72.36*	
		For Class 55 Rating, Add	*160.83*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,455.53	293.26
		For Class 52 Rating, Deduct	*-111.23*	
		For Class 54 Rating, Add	*75.84*	
		For Class 55 Rating, Add	*168.57*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,505.43	295.57
		For Class 52 Rating, Deduct	*-116.34*	
		For Class 54 Rating, Add	*79.32*	
		For Class 55 Rating, Add	*176.30*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.33	297.88
		For Class 52 Rating, Deduct	*-121.44*	
		For Class 54 Rating, Add	*82.80*	
		For Class 55 Rating, Add	*184.04*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.23	300.18
		For Class 52 Rating, Deduct	*-126.54*	
		For Class 54 Rating, Add	*86.28*	
		For Class 55 Rating, Add	*191.77*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,655.12	302.50
		For Class 52 Rating, Deduct	*-131.65*	
		For Class 54 Rating, Add	*89.76*	
		For Class 55 Rating, Add	*199.51*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.02	304.80
		For Class 52 Rating, Deduct	*-136.75*	
		For Class 54 Rating, Add	*93.24*	
		For Class 55 Rating, Add	*207.24*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,754.93	307.11
		For Class 52 Rating, Deduct	*-141.86*	
		For Class 54 Rating, Add	*96.72*	
		For Class 55 Rating, Add	*214.98*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.82	309.42
		For Class 52 Rating, Deduct	*-146.96*	
		For Class 54 Rating, Add	*100.20*	
		For Class 55 Rating, Add	*222.71*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.72	311.73
		For Class 52 Rating, Deduct	*-152.06*	
		For Class 54 Rating, Add	*103.68*	
		For Class 55 Rating, Add	*230.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,904.62	314.04
		For Class 52 Rating, Deduct	*-157.17*	
		For Class 54 Rating, Add	*107.16*	
		For Class 55 Rating, Add	*238.18*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,954.51	316.35
		For Class 52 Rating, Deduct	*-162.27*	
		For Class 54 Rating, Add	*110.64*	
		For Class 55 Rating, Add	*245.92*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,004.42	318.65
		For Class 52 Rating, Deduct	*-167.38*	
		For Class 54 Rating, Add	*114.12*	
		For Class 55 Rating, Add	*253.65*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.32	320.97
		For Class 52 Rating, Deduct	*-172.48*	
		For Class 54 Rating, Add	*117.60*	
		For Class 55 Rating, Add	*261.39*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,104.21	323.28
		For Class 52 Rating, Deduct	*-177.58*	
		For Class 54 Rating, Add	*121.08*	
		For Class 55 Rating, Add	*269.12*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.11	325.58
		For Class 52 Rating, Deduct	*-182.69*	
		For Class 54 Rating, Add	*124.56*	
		For Class 55 Rating, Add	*276.86*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.01	327.89
		For Class 52 Rating, Deduct	*-187.79*	
		For Class 54 Rating, Add	*128.04*	
		For Class 55 Rating, Add	*284.59*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.91	330.21
		For Class 52 Rating, Deduct	*-192.90*	
		For Class 54 Rating, Add	*131.52*	
		For Class 55 Rating, Add	*292.33*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,303.81	332.51
		For Class 52 Rating, Deduct	*-198.00*	
		For Class 54 Rating, Add	*135.00*	
		For Class 55 Rating, Add	*300.06*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,353.71	334.82
		For Class 52 Rating, Deduct	*-203.10*	
		For Class 54 Rating, Add	*138.48*	
		For Class 55 Rating, Add	*307.79*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.60	337.14
		For Class 52 Rating, Deduct	*-208.21*	
		For Class 54 Rating, Add	*141.96*	
		For Class 55 Rating, Add	*315.53*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,453.50	339.44
		For Class 52 Rating, Deduct	*-213.31*	
		For Class 54 Rating, Add	*145.44*	
		For Class 55 Rating, Add	*323.26*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.41	341.75
		For Class 52 Rating, Deduct	*-218.42*	
		For Class 54 Rating, Add	*148.92*	
		For Class 55 Rating, Add	*331.00*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,553.30	344.06
		For Class 52 Rating, Deduct	*-223.52*	
		For Class 54 Rating, Add	*152.40*	
		For Class 55 Rating, Add	*338.73*	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,603.20	346.37
		For Class 52 Rating, Deduct	*-228.62*	
		For Class 54 Rating, Add	*155.88*	
		For Class 55 Rating, Add	*346.47*	
40 05 19 00-0715		12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	907.41	323.28
		For Class 52 Rating, Deduct	*-45.94*	
		For Class 54 Rating, Add	*31.32*	
		For Class 55 Rating, Add	*69.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	969.31	325.58
		For Class 52 Rating, Deduct	*-52.36*	
		For Class 54 Rating, Add	*35.70*	
		For Class 55 Rating, Add	*79.35*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.21	327.89
		For Class 52 Rating, Deduct	*-58.78*	
		For Class 54 Rating, Add	*40.08*	
		For Class 55 Rating, Add	*89.08*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,093.11	330.21
		For Class 52 Rating, Deduct	*-65.21*	
		For Class 54 Rating, Add	*44.46*	
		For Class 55 Rating, Add	*98.82*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,155.01	332.51
		For Class 52 Rating, Deduct	*-71.63*	
		For Class 54 Rating, Add	*48.84*	
		For Class 55 Rating, Add	*108.56*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.91	334.82
		For Class 52 Rating, Deduct	*-78.06*	
		For Class 54 Rating, Add	*53.22*	
		For Class 55 Rating, Add	*118.29*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,278.80	337.14
		For Class 52 Rating, Deduct	*-84.48*	
		For Class 54 Rating, Add	*57.60*	
		For Class 55 Rating, Add	*128.03*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.70	339.44
		For Class 52 Rating, Deduct	*-90.90*	
		For Class 54 Rating, Add	*61.98*	
		For Class 55 Rating, Add	*137.76*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.61	341.75
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*66.36*	
		For Class 55 Rating, Add	*147.50*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.50	344.06
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,526.40	346.37
		For Class 52 Rating, Deduct	*-110.18*	
		For Class 54 Rating, Add	*75.12*	
		For Class 55 Rating, Add	*166.97*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,588.30	348.68
		For Class 52 Rating, Deduct	*-116.60*	
		For Class 54 Rating, Add	*79.50*	
		For Class 55 Rating, Add	*176.70*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,650.20	350.99
		For Class 52 Rating, Deduct	*-123.02*	
		For Class 54 Rating, Add	*83.88*	
		For Class 55 Rating, Add	*186.44*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.10	353.29
		For Class 52 Rating, Deduct	*-129.45*	
		For Class 54 Rating, Add	*88.26*	
		For Class 55 Rating, Add	*196.17*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.00	355.61
		For Class 52 Rating, Deduct	*-135.87*	
		For Class 54 Rating, Add	*92.64*	
		For Class 55 Rating, Add	*205.91*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,835.89	357.92
		For Class 52 Rating, Deduct	*-142.30*	
		For Class 54 Rating, Add	*97.02*	
		For Class 55 Rating, Add	*215.64*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.79	360.22
		For Class 52 Rating, Deduct	*-148.72*	
		For Class 54 Rating, Add	*101.40*	
		For Class 55 Rating, Add	*225.38*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.70	362.53
		For Class 52 Rating, Deduct	*-155.14*	
		For Class 54 Rating, Add	*105.78*	
		For Class 55 Rating, Add	*235.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,021.59	364.85
		For Class 52 Rating, Deduct	*-161.57*	
		For Class 54 Rating, Add	*110.16*	
		For Class 55 Rating, Add	*244.85*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.49	367.15
		For Class 52 Rating, Deduct	*-167.99*	
		For Class 54 Rating, Add	*114.54*	
		For Class 55 Rating, Add	*254.58*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,145.39	369.46
		For Class 52 Rating, Deduct	*-174.42*	
		For Class 54 Rating, Add	*118.92*	
		For Class 55 Rating, Add	*264.32*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,207.28	371.77
		For Class 52 Rating, Deduct	*-180.84*	
		For Class 54 Rating, Add	*123.30*	
		For Class 55 Rating, Add	*274.05*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,269.19	374.08
		For Class 52 Rating, Deduct	*-187.26*	
		For Class 54 Rating, Add	*127.68*	
		For Class 55 Rating, Add	*283.79*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,331.09	376.39
		For Class 52 Rating, Deduct	*-193.69*	
		For Class 54 Rating, Add	*132.06*	
		For Class 55 Rating, Add	*293.53*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.98	378.69
		For Class 52 Rating, Deduct	*-200.11*	
		For Class 54 Rating, Add	*136.44*	
		For Class 55 Rating, Add	*303.26*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.88	381.00
		For Class 52 Rating, Deduct	*-206.54*	
		For Class 54 Rating, Add	*140.82*	
		For Class 55 Rating, Add	*313.00*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,516.77	383.32
		For Class 52 Rating, Deduct	*-212.96*	
		For Class 54 Rating, Add	*145.20*	
		For Class 55 Rating, Add	*322.73*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.68	385.62
		For Class 52 Rating, Deduct	*-219.38*	
		For Class 54 Rating, Add	*149.58*	
		For Class 55 Rating, Add	*332.47*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.58	387.93
		For Class 52 Rating, Deduct	*-225.81*	
		For Class 54 Rating, Add	*153.96*	
		For Class 55 Rating, Add	*342.20*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.47	390.24
		For Class 52 Rating, Deduct	*-232.23*	
		For Class 54 Rating, Add	*158.34*	
		For Class 55 Rating, Add	*351.94*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,764.37	392.55
		For Class 52 Rating, Deduct	*-238.66*	
		For Class 54 Rating, Add	*162.72*	
		For Class 55 Rating, Add	*361.67*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,826.27	394.86
		For Class 52 Rating, Deduct	*-245.08*	
		For Class 54 Rating, Add	*167.10*	
		For Class 55 Rating, Add	*371.41*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,888.17	397.17
		For Class 52 Rating, Deduct	*-251.50*	
		For Class 54 Rating, Add	*171.48*	
		For Class 55 Rating, Add	*381.14*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,950.07	399.47
		For Class 52 Rating, Deduct	*-257.93*	
		For Class 54 Rating, Add	*175.86*	
		For Class 55 Rating, Add	*390.88*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.97	401.79
		For Class 52 Rating, Deduct	*-264.35*	
		For Class 54 Rating, Add	*180.24*	
		For Class 55 Rating, Add	*400.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.86	404.10
		For Class 52 Rating, Deduct	*-270.78*	
		For Class 54 Rating, Add	*184.62*	
		For Class 55 Rating, Add	*410.35*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.76	406.40
		For Class 52 Rating, Deduct	*-277.20*	
		For Class 54 Rating, Add	*189.00*	
		For Class 55 Rating, Add	*420.08*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.67	408.71
		For Class 52 Rating, Deduct	*-283.62*	
		For Class 54 Rating, Add	*193.38*	
		For Class 55 Rating, Add	*429.82*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,259.56	411.03
		For Class 52 Rating, Deduct	*-290.05*	
		For Class 54 Rating, Add	*197.76*	
		For Class 55 Rating, Add	*439.55*	
40 05 19 00-0755		14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.78	387.93
		For Class 52 Rating, Deduct	*-68.64*	
		For Class 54 Rating, Add	*46.80*	
		For Class 55 Rating, Add	*104.02*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,286.47	390.24
		For Class 52 Rating, Deduct	*-76.47*	
		For Class 54 Rating, Add	*52.14*	
		For Class 55 Rating, Add	*115.89*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.17	392.55
		For Class 52 Rating, Deduct	*-84.30*	
		For Class 54 Rating, Add	*57.48*	
		For Class 55 Rating, Add	*127.76*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.87	394.86
		For Class 52 Rating, Deduct	*-92.14*	
		For Class 54 Rating, Add	*62.82*	
		For Class 55 Rating, Add	*139.63*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.57	397.17
		For Class 52 Rating, Deduct	*-99.97*	
		For Class 54 Rating, Add	*68.16*	
		For Class 55 Rating, Add	*151.50*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.27	399.47
		For Class 52 Rating, Deduct	*-107.80*	
		For Class 54 Rating, Add	*73.50*	
		For Class 55 Rating, Add	*163.37*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.97	401.79
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*78.84*	
		For Class 55 Rating, Add	*175.24*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,734.66	404.10
		For Class 52 Rating, Deduct	*-123.46*	
		For Class 54 Rating, Add	*84.18*	
		For Class 55 Rating, Add	*187.10*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,809.36	406.40
		For Class 52 Rating, Deduct	*-131.30*	
		For Class 54 Rating, Add	*89.52*	
		For Class 55 Rating, Add	*198.97*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.07	408.71
		For Class 52 Rating, Deduct	*-139.13*	
		For Class 54 Rating, Add	*94.86*	
		For Class 55 Rating, Add	*210.84*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,958.76	411.03
		For Class 52 Rating, Deduct	*-146.96*	
		For Class 54 Rating, Add	*100.20*	
		For Class 55 Rating, Add	*222.71*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.46	413.33
		For Class 52 Rating, Deduct	*-154.79*	
		For Class 54 Rating, Add	*105.54*	
		For Class 55 Rating, Add	*234.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.16	415.64
		For Class 52 Rating, Deduct	*-162.62*	
		For Class 54 Rating, Add	*110.88*	
		For Class 55 Rating, Add	*246.45*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.86	417.95
		For Class 52 Rating, Deduct	*-170.46*	
		For Class 54 Rating, Add	*116.22*	
		For Class 55 Rating, Add	*258.32*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.56	420.26
		For Class 52 Rating, Deduct	*-178.29*	
		For Class 54 Rating, Add	*121.56*	
		For Class 55 Rating, Add	*270.19*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.26	422.57
		For Class 52 Rating, Deduct	*-186.12*	
		For Class 54 Rating, Add	*126.90*	
		For Class 55 Rating, Add	*282.06*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.95	424.88
		For Class 52 Rating, Deduct	*-193.95*	
		For Class 54 Rating, Add	*132.24*	
		For Class 55 Rating, Add	*293.93*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,481.65	427.19
		For Class 52 Rating, Deduct	*-201.78*	
		For Class 54 Rating, Add	*137.58*	
		For Class 55 Rating, Add	*305.79*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.36	429.50
		For Class 52 Rating, Deduct	*-209.62*	
		For Class 54 Rating, Add	*142.92*	
		For Class 55 Rating, Add	*317.66*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,631.05	431.81
		For Class 52 Rating, Deduct	*-217.45*	
		For Class 54 Rating, Add	*148.26*	
		For Class 55 Rating, Add	*329.53*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,705.75	434.11
		For Class 52 Rating, Deduct	*-225.28*	
		For Class 54 Rating, Add	*153.60*	
		For Class 55 Rating, Add	*341.40*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.45	436.43
		For Class 52 Rating, Deduct	*-233.11*	
		For Class 54 Rating, Add	*158.94*	
		For Class 55 Rating, Add	*353.27*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,855.14	438.74
		For Class 52 Rating, Deduct	*-240.94*	
		For Class 54 Rating, Add	*164.28*	
		For Class 55 Rating, Add	*365.14*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,929.85	441.04
		For Class 52 Rating, Deduct	*-248.78*	
		For Class 54 Rating, Add	*169.62*	
		For Class 55 Rating, Add	*377.01*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,004.55	443.35
		For Class 52 Rating, Deduct	*-256.61*	
		For Class 54 Rating, Add	*174.96*	
		For Class 55 Rating, Add	*388.88*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,079.24	445.66
		For Class 52 Rating, Deduct	*-264.44*	
		For Class 54 Rating, Add	*180.30*	
		For Class 55 Rating, Add	*400.75*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,153.94	447.97
		For Class 52 Rating, Deduct	*-272.27*	
		For Class 54 Rating, Add	*185.64*	
		For Class 55 Rating, Add	*412.62*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.64	450.28
		For Class 52 Rating, Deduct	*-280.10*	
		For Class 54 Rating, Add	*190.98*	
		For Class 55 Rating, Add	*424.48*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,303.34	452.58
		For Class 52 Rating, Deduct	*-287.94*	
		For Class 54 Rating, Add	*196.32*	
		For Class 55 Rating, Add	*436.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,378.04	454.90
		For Class 52 Rating, Deduct	*-295.77*	
		For Class 54 Rating, Add	*201.66*	
		For Class 55 Rating, Add	*448.22*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,452.74	457.21
		For Class 52 Rating, Deduct	*-303.60*	
		For Class 54 Rating, Add	*207.00*	
		For Class 55 Rating, Add	*460.09*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.43	459.51
		For Class 52 Rating, Deduct	*-311.43*	
		For Class 54 Rating, Add	*212.34*	
		For Class 55 Rating, Add	*471.96*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,602.13	461.82
		For Class 52 Rating, Deduct	*-319.26*	
		For Class 54 Rating, Add	*217.68*	
		For Class 55 Rating, Add	*483.83*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.84	464.14
		For Class 52 Rating, Deduct	*-327.10*	
		For Class 54 Rating, Add	*223.02*	
		For Class 55 Rating, Add	*495.70*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.53	466.44
		For Class 52 Rating, Deduct	*-334.93*	
		For Class 54 Rating, Add	*228.36*	
		For Class 55 Rating, Add	*507.57*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,826.23	468.75
		For Class 52 Rating, Deduct	*-342.76*	
		For Class 54 Rating, Add	*233.70*	
		For Class 55 Rating, Add	*519.44*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.93	471.06
		For Class 52 Rating, Deduct	*-350.59*	
		For Class 54 Rating, Add	*239.04*	
		For Class 55 Rating, Add	*531.31*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,975.63	473.37
		For Class 52 Rating, Deduct	*-358.42*	
		For Class 54 Rating, Add	*244.38*	
		For Class 55 Rating, Add	*543.18*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.15	443.35
		For Class 52 Rating, Deduct	*-81.22*	
		For Class 54 Rating, Add	*55.38*	
		For Class 55 Rating, Add	*123.09*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,496.84	445.66
		For Class 52 Rating, Deduct	*-90.38*	
		For Class 54 Rating, Add	*61.62*	
		For Class 55 Rating, Add	*136.96*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,583.54	447.97
		For Class 52 Rating, Deduct	*-99.53*	
		For Class 54 Rating, Add	*67.86*	
		For Class 55 Rating, Add	*150.83*	
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.24	450.28
		For Class 52 Rating, Deduct	*-108.68*	
		For Class 54 Rating, Add	*74.10*	
		For Class 55 Rating, Add	*164.70*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.94	452.58
		For Class 52 Rating, Deduct	*-117.83*	
		For Class 54 Rating, Add	*80.34*	
		For Class 55 Rating, Add	*178.57*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.64	454.90
		For Class 52 Rating, Deduct	*-126.98*	
		For Class 54 Rating, Add	*86.58*	
		For Class 55 Rating, Add	*192.44*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.34	457.21
		For Class 52 Rating, Deduct	*-136.14*	
		For Class 54 Rating, Add	*92.82*	
		For Class 55 Rating, Add	*206.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.03	459.51
		For Class 52 Rating, Deduct	*-145.29*	
		For Class 54 Rating, Add	*99.06*	
		For Class 55 Rating, Add	*220.18*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,103.73	461.82
		For Class 52 Rating, Deduct	*-154.44*	
		For Class 54 Rating, Add	*105.30*	
		For Class 55 Rating, Add	*234.05*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.44	464.14
		For Class 52 Rating, Deduct	*-162.71*	
		For Class 54 Rating, Add	*110.94*	
		For Class 55 Rating, Add	*246.58*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,277.13	466.44
		For Class 52 Rating, Deduct	*-172.74*	
		For Class 54 Rating, Add	*117.78*	
		For Class 55 Rating, Add	*261.79*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.83	468.75
		For Class 52 Rating, Deduct	*-181.90*	
		For Class 54 Rating, Add	*124.02*	
		For Class 55 Rating, Add	*275.66*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.53	471.06
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*130.26*	
		For Class 55 Rating, Add	*289.52*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,537.23	473.37
		For Class 52 Rating, Deduct	*-200.20*	
		For Class 54 Rating, Add	*136.50*	
		For Class 55 Rating, Add	*303.39*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,623.93	475.68
		For Class 52 Rating, Deduct	*-209.35*	
		For Class 54 Rating, Add	*142.74*	
		For Class 55 Rating, Add	*317.26*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.63	477.99
		For Class 52 Rating, Deduct	*-218.50*	
		For Class 54 Rating, Add	*148.98*	
		For Class 55 Rating, Add	*331.13*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,797.32	480.29
		For Class 52 Rating, Deduct	*-227.66*	
		For Class 54 Rating, Add	*155.22*	
		For Class 55 Rating, Add	*345.00*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,884.02	482.61
		For Class 52 Rating, Deduct	*-236.81*	
		For Class 54 Rating, Add	*161.46*	
		For Class 55 Rating, Add	*358.87*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.73	484.92
		For Class 52 Rating, Deduct	*-245.96*	
		For Class 54 Rating, Add	*167.70*	
		For Class 55 Rating, Add	*372.74*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,057.42	487.22
		For Class 52 Rating, Deduct	*-255.11*	
		For Class 54 Rating, Add	*173.94*	
		For Class 55 Rating, Add	*386.61*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,144.12	489.53
		For Class 52 Rating, Deduct	*-264.26*	
		For Class 54 Rating, Add	*180.18*	
		For Class 55 Rating, Add	*400.48*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.81	491.85
		For Class 52 Rating, Deduct	*-273.42*	
		For Class 54 Rating, Add	*186.42*	
		For Class 55 Rating, Add	*414.35*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,317.51	494.15
		For Class 52 Rating, Deduct	*-282.57*	
		For Class 54 Rating, Add	*192.66*	
		For Class 55 Rating, Add	*428.22*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,404.22	496.46
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,490.91	498.77
		For Class 52 Rating, Deduct	*-300.87*	
		For Class 54 Rating, Add	*205.14*	
		For Class 55 Rating, Add	*455.96*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.61	501.08
		For Class 52 Rating, Deduct	*-310.02*	
		For Class 54 Rating, Add	*211.38*	
		For Class 55 Rating, Add	*469.83*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,664.31	503.39
		For Class 52 Rating, Deduct	*-319.18*	
		For Class 54 Rating, Add	*217.62*	
		For Class 55 Rating, Add	*483.70*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.00	505.70
		For Class 52 Rating, Deduct	*-328.33*	
		For Class 54 Rating, Add	*223.86*	
		For Class 55 Rating, Add	*497.57*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,837.71	508.01
		For Class 52 Rating, Deduct	*-337.48*	
		For Class 54 Rating, Add	*230.10*	
		For Class 55 Rating, Add	*511.44*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.41	510.32
		For Class 52 Rating, Deduct	*-346.63*	
		For Class 54 Rating, Add	*236.34*	
		For Class 55 Rating, Add	*525.31*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,011.10	512.62
		For Class 52 Rating, Deduct	*-355.78*	
		For Class 54 Rating, Add	*242.58*	
		For Class 55 Rating, Add	*539.17*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,097.80	514.93
		For Class 52 Rating, Deduct	*-364.94*	
		For Class 54 Rating, Add	*248.82*	
		For Class 55 Rating, Add	*553.04*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,184.50	517.25
		For Class 52 Rating, Deduct	*-374.09*	
		For Class 54 Rating, Add	*255.06*	
		For Class 55 Rating, Add	*566.91*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,271.20	519.55
		For Class 52 Rating, Deduct	*-383.24*	
		For Class 54 Rating, Add	*261.30*	
		For Class 55 Rating, Add	*580.78*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,357.90	521.86
		For Class 52 Rating, Deduct	*-392.39*	
		For Class 54 Rating, Add	*267.54*	
		For Class 55 Rating, Add	*594.65*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.60	524.17
		For Class 52 Rating, Deduct	*-401.54*	
		For Class 54 Rating, Add	*273.78*	
		For Class 55 Rating, Add	*608.52*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,531.29	526.48
		For Class 52 Rating, Deduct	*-410.70*	
		For Class 54 Rating, Add	*280.02*	
		For Class 55 Rating, Add	*622.39*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,617.99	528.79
		For Class 52 Rating, Deduct	*-419.85*	
		For Class 54 Rating, Add	*286.26*	
		For Class 55 Rating, Add	*636.26*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.12	499.70
		For Class 52 Rating, Deduct	*-96.36*	
		For Class 54 Rating, Add	*65.70*	
		For Class 55 Rating, Add	*146.03*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,732.61	502.01
		For Class 52 Rating, Deduct	*-106.92*	
		For Class 54 Rating, Add	*72.90*	
		For Class 55 Rating, Add	*162.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.11	504.32
		For Class 52 Rating, Deduct	*-117.48*	
		For Class 54 Rating, Add	*80.10*	
		For Class 55 Rating, Add	*178.04*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,931.61	506.62
		For Class 52 Rating, Deduct	*-128.04*	
		For Class 54 Rating, Add	*87.30*	
		For Class 55 Rating, Add	*194.04*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.10	508.94
		For Class 52 Rating, Deduct	*-138.60*	
		For Class 54 Rating, Add	*94.50*	
		For Class 55 Rating, Add	*210.04*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,130.61	511.25
		For Class 52 Rating, Deduct	*-149.16*	
		For Class 54 Rating, Add	*101.70*	
		For Class 55 Rating, Add	*226.05*	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,230.10	513.55
		For Class 52 Rating, Deduct	*-159.72*	
		For Class 54 Rating, Add	*108.90*	
		For Class 55 Rating, Add	*242.05*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,329.60	515.86
		For Class 52 Rating, Deduct	*-170.28*	
		For Class 54 Rating, Add	*116.10*	
		For Class 55 Rating, Add	*258.05*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.10	518.17
		For Class 52 Rating, Deduct	*-180.84*	
		For Class 54 Rating, Add	*123.30*	
		For Class 55 Rating, Add	*274.05*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,528.60	520.48
		For Class 52 Rating, Deduct	*-191.40*	
		For Class 54 Rating, Add	*130.50*	
		For Class 55 Rating, Add	*290.06*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,628.10	522.79
		For Class 52 Rating, Deduct	*-201.96*	
		For Class 54 Rating, Add	*137.70*	
		For Class 55 Rating, Add	*306.06*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,727.60	525.09
		For Class 52 Rating, Deduct	*-212.52*	
		For Class 54 Rating, Add	*144.90*	
		For Class 55 Rating, Add	*322.06*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,827.09	527.41
		For Class 52 Rating, Deduct	*-223.08*	
		For Class 54 Rating, Add	*152.10*	
		For Class 55 Rating, Add	*338.07*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.59	529.72
		For Class 52 Rating, Deduct	*-233.64*	
		For Class 54 Rating, Add	*159.30*	
		For Class 55 Rating, Add	*354.07*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.10	532.02
		For Class 52 Rating, Deduct	*-244.20*	
		For Class 54 Rating, Add	*166.50*	
		For Class 55 Rating, Add	*370.07*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,125.59	534.33
		For Class 52 Rating, Deduct	*-254.76*	
		For Class 54 Rating, Add	*173.70*	
		For Class 55 Rating, Add	*386.08*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,225.09	536.65
		For Class 52 Rating, Deduct	*-265.32*	
		For Class 54 Rating, Add	*180.90*	
		For Class 55 Rating, Add	*402.08*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.59	538.95
		For Class 52 Rating, Deduct	*-275.88*	
		For Class 54 Rating, Add	*188.10*	
		For Class 55 Rating, Add	*418.08*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,424.08	541.26
		For Class 52 Rating, Deduct	*-286.44*	
		For Class 54 Rating, Add	*195.30*	
		For Class 55 Rating, Add	*434.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.59	543.57
		For Class 52 Rating, Deduct	*-297.00*	
		For Class 54 Rating, Add	*202.50*	
		For Class 55 Rating, Add	*450.09*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.09	545.88
		For Class 52 Rating, Deduct	*-307.56*	
		For Class 54 Rating, Add	*209.70*	
		For Class 55 Rating, Add	*466.09*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,722.58	548.19
		For Class 52 Rating, Deduct	*-318.12*	
		For Class 54 Rating, Add	*216.90*	
		For Class 55 Rating, Add	*482.10*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,822.08	550.50
		For Class 52 Rating, Deduct	*-328.68*	
		For Class 54 Rating, Add	*224.10*	
		For Class 55 Rating, Add	*498.10*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.58	552.80
		For Class 52 Rating, Deduct	*-339.24*	
		For Class 54 Rating, Add	*231.30*	
		For Class 55 Rating, Add	*514.10*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.08	555.12
		For Class 52 Rating, Deduct	*-349.80*	
		For Class 54 Rating, Add	*238.50*	
		For Class 55 Rating, Add	*530.11*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.58	557.43
		For Class 52 Rating, Deduct	*-360.36*	
		For Class 54 Rating, Add	*245.70*	
		For Class 55 Rating, Add	*546.11*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,220.08	559.73
		For Class 52 Rating, Deduct	*-370.92*	
		For Class 54 Rating, Add	*252.90*	
		For Class 55 Rating, Add	*562.11*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,319.57	562.04
		For Class 52 Rating, Deduct	*-381.48*	
		For Class 54 Rating, Add	*260.10*	
		For Class 55 Rating, Add	*578.12*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,419.07	564.36
		For Class 52 Rating, Deduct	*-392.04*	
		For Class 54 Rating, Add	*267.30*	
		For Class 55 Rating, Add	*594.12*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,518.58	566.66
		For Class 52 Rating, Deduct	*-402.60*	
		For Class 54 Rating, Add	*274.50*	
		For Class 55 Rating, Add	*610.12*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.07	568.97
		For Class 52 Rating, Deduct	*-413.16*	
		For Class 54 Rating, Add	*281.70*	
		For Class 55 Rating, Add	*626.13*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,717.57	571.28
		For Class 52 Rating, Deduct	*-423.72*	
		For Class 54 Rating, Add	*288.90*	
		For Class 55 Rating, Add	*642.13*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,817.07	573.59
		For Class 52 Rating, Deduct	*-434.28*	
		For Class 54 Rating, Add	*296.10*	
		For Class 55 Rating, Add	*658.13*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,916.57	575.90
		For Class 52 Rating, Deduct	*-444.84*	
		For Class 54 Rating, Add	*303.30*	
		For Class 55 Rating, Add	*674.13*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,016.07	578.21
		For Class 52 Rating, Deduct	*-455.40*	
		For Class 54 Rating, Add	*310.50*	
		For Class 55 Rating, Add	*690.14*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,115.57	580.52
		For Class 52 Rating, Deduct	*-465.96*	
		For Class 54 Rating, Add	*317.70*	
		For Class 55 Rating, Add	*706.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.06	582.83
		For Class 52 Rating, Deduct	*-476.52*	
		For Class 54 Rating, Add	*324.90*	
		For Class 55 Rating, Add	*722.14*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,314.56	585.13
		For Class 52 Rating, Deduct	*-487.08*	
		For Class 54 Rating, Add	*332.10*	
		For Class 55 Rating, Add	*738.15*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,887.37	570.35
		For Class 52 Rating, Deduct	*-112.55*	
		For Class 54 Rating, Add	*76.74*	
		For Class 55 Rating, Add	*170.57*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,001.27	572.67
		For Class 52 Rating, Deduct	*-124.70*	
		For Class 54 Rating, Add	*85.02*	
		For Class 55 Rating, Add	*188.97*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,115.17	574.97
		For Class 52 Rating, Deduct	*-136.84*	
		For Class 54 Rating, Add	*93.30*	
		For Class 55 Rating, Add	*207.37*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,229.07	577.28
		For Class 52 Rating, Deduct	*-148.98*	
		For Class 54 Rating, Add	*101.58*	
		For Class 55 Rating, Add	*225.78*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.97	579.58
		For Class 52 Rating, Deduct	*-161.13*	
		For Class 54 Rating, Add	*109.86*	
		For Class 55 Rating, Add	*244.18*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.86	581.90
		For Class 52 Rating, Deduct	*-173.27*	
		For Class 54 Rating, Add	*118.14*	
		For Class 55 Rating, Add	*262.59*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,570.76	584.21
		For Class 52 Rating, Deduct	*-185.42*	
		For Class 54 Rating, Add	*126.42*	
		For Class 55 Rating, Add	*280.99*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,684.67	586.51
		For Class 52 Rating, Deduct	*-197.56*	
		For Class 54 Rating, Add	*134.70*	
		For Class 55 Rating, Add	*299.39*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,798.56	588.82
		For Class 52 Rating, Deduct	*-209.70*	
		For Class 54 Rating, Add	*142.98*	
		For Class 55 Rating, Add	*317.80*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,912.46	591.14
		For Class 52 Rating, Deduct	*-221.85*	
		For Class 54 Rating, Add	*151.26*	
		For Class 55 Rating, Add	*336.20*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.36	593.44
		For Class 52 Rating, Deduct	*-233.99*	
		For Class 54 Rating, Add	*159.54*	
		For Class 55 Rating, Add	*354.60*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,140.26	595.75
		For Class 52 Rating, Deduct	*-246.14*	
		For Class 54 Rating, Add	*167.82*	
		For Class 55 Rating, Add	*373.01*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.16	598.07
		For Class 52 Rating, Deduct	*-258.28*	
		For Class 54 Rating, Add	*176.10*	
		For Class 55 Rating, Add	*391.41*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.05	600.37
		For Class 52 Rating, Deduct	*-270.42*	
		For Class 54 Rating, Add	*184.38*	
		For Class 55 Rating, Add	*409.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.95	602.68
		For Class 52 Rating, Deduct	*-282.57*	
		For Class 54 Rating, Add	*192.66*	
		For Class 55 Rating, Add	*428.22*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,595.85	604.99
		For Class 52 Rating, Deduct	*-294.71*	
		For Class 54 Rating, Add	*200.94*	
		For Class 55 Rating, Add	*446.62*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,709.75	607.30
		For Class 52 Rating, Deduct	*-306.86*	
		For Class 54 Rating, Add	*209.22*	
		For Class 55 Rating, Add	*465.03*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,823.65	609.61
		For Class 52 Rating, Deduct	*-319.00*	
		For Class 54 Rating, Add	*217.50*	
		For Class 55 Rating, Add	*483.43*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,937.55	611.92
		For Class 52 Rating, Deduct	*-331.14*	
		For Class 54 Rating, Add	*225.78*	
		For Class 55 Rating, Add	*501.83*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,051.44	614.22
		For Class 52 Rating, Deduct	*-343.29*	
		For Class 54 Rating, Add	*234.06*	
		For Class 55 Rating, Add	*520.24*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.34	616.54
		For Class 52 Rating, Deduct	*-355.43*	
		For Class 54 Rating, Add	*242.34*	
		For Class 55 Rating, Add	*538.64*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,279.25	618.85
		For Class 52 Rating, Deduct	*-367.58*	
		For Class 54 Rating, Add	*250.62*	
		For Class 55 Rating, Add	*557.04*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,393.14	621.15
		For Class 52 Rating, Deduct	*-379.72*	
		For Class 54 Rating, Add	*258.90*	
		For Class 55 Rating, Add	*575.45*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,507.04	623.46
		For Class 52 Rating, Deduct	*-391.86*	
		For Class 54 Rating, Add	*267.18*	
		For Class 55 Rating, Add	*593.85*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,620.94	625.78
		For Class 52 Rating, Deduct	*-404.01*	
		For Class 54 Rating, Add	*275.46*	
		For Class 55 Rating, Add	*612.26*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,734.83	628.08
		For Class 52 Rating, Deduct	*-416.15*	
		For Class 54 Rating, Add	*283.74*	
		For Class 55 Rating, Add	*630.66*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,848.74	630.39
		For Class 52 Rating, Deduct	*-428.30*	
		For Class 54 Rating, Add	*292.02*	
		For Class 55 Rating, Add	*649.06*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,962.64	632.70
		For Class 52 Rating, Deduct	*-440.44*	
		For Class 54 Rating, Add	*300.30*	
		For Class 55 Rating, Add	*667.47*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,076.53	635.01
		For Class 52 Rating, Deduct	*-452.58*	
		For Class 54 Rating, Add	*308.58*	
		For Class 55 Rating, Add	*685.87*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,190.43	637.32
		For Class 52 Rating, Deduct	*-464.73*	
		For Class 54 Rating, Add	*316.86*	
		For Class 55 Rating, Add	*704.27*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,304.33	639.63
		For Class 52 Rating, Deduct	*-476.87*	
		For Class 54 Rating, Add	*325.14*	
		For Class 55 Rating, Add	*722.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,418.23	641.93
		For Class 52 Rating, Deduct	*-489.02*	
		For Class 54 Rating, Add	*333.42*	
		For Class 55 Rating, Add	*741.08*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,532.13	644.25
		For Class 52 Rating, Deduct	*-501.16*	
		For Class 54 Rating, Add	*341.70*	
		For Class 55 Rating, Add	*759.49*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,646.03	646.55
		For Class 52 Rating, Deduct	*-513.30*	
		For Class 54 Rating, Add	*349.98*	
		For Class 55 Rating, Add	*777.89*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,759.92	648.86
		For Class 52 Rating, Deduct	*-525.45*	
		For Class 54 Rating, Add	*358.26*	
		For Class 55 Rating, Add	*796.29*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,873.82	651.17
		For Class 52 Rating, Deduct	*-537.59*	
		For Class 54 Rating, Add	*366.54*	
		For Class 55 Rating, Add	*814.70*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,987.73	653.48
		For Class 52 Rating, Deduct	*-549.74*	
		For Class 54 Rating, Add	*374.82*	
		For Class 55 Rating, Add	*833.10*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.62	655.79
		For Class 52 Rating, Deduct	*-561.88*	
		For Class 54 Rating, Add	*383.10*	
		For Class 55 Rating, Add	*851.50*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.42	674.26
		For Class 52 Rating, Deduct	*-142.21*	
		For Class 54 Rating, Add	*96.96*	
		For Class 55 Rating, Add	*215.51*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.71	676.57
		For Class 52 Rating, Deduct	*-157.26*	
		For Class 54 Rating, Add	*107.22*	
		For Class 55 Rating, Add	*238.31*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.01	678.89
		For Class 52 Rating, Deduct	*-172.30*	
		For Class 54 Rating, Add	*117.48*	
		For Class 55 Rating, Add	*261.12*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,735.31	681.19
		For Class 52 Rating, Deduct	*-187.35*	
		For Class 54 Rating, Add	*127.74*	
		For Class 55 Rating, Add	*283.92*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,875.60	683.50
		For Class 52 Rating, Deduct	*-202.40*	
		For Class 54 Rating, Add	*138.00*	
		For Class 55 Rating, Add	*306.73*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,015.91	685.81
		For Class 52 Rating, Deduct	*-217.45*	
		For Class 54 Rating, Add	*148.26*	
		For Class 55 Rating, Add	*329.53*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.21	688.12
		For Class 52 Rating, Deduct	*-232.50*	
		For Class 54 Rating, Add	*158.52*	
		For Class 55 Rating, Add	*352.34*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,296.50	690.43
		For Class 52 Rating, Deduct	*-247.54*	
		For Class 54 Rating, Add	*168.78*	
		For Class 55 Rating, Add	*375.14*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,436.80	692.74
		For Class 52 Rating, Deduct	*-262.59*	
		For Class 54 Rating, Add	*179.04*	
		For Class 55 Rating, Add	*397.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.10	695.04
		For Class 52 Rating, Deduct	*-277.64*	
		For Class 54 Rating, Add	*189.30*	
		For Class 55 Rating, Add	*420.75*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,717.40	697.36
		For Class 52 Rating, Deduct	*-292.69*	
		For Class 54 Rating, Add	*199.56*	
		For Class 55 Rating, Add	*443.56*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,857.70	699.67
		For Class 52 Rating, Deduct	*-307.74*	
		For Class 54 Rating, Add	*209.82*	
		For Class 55 Rating, Add	*466.36*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,998.00	701.97
		For Class 52 Rating, Deduct	*-322.78*	
		For Class 54 Rating, Add	*220.08*	
		For Class 55 Rating, Add	*489.16*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.29	704.28
		For Class 52 Rating, Deduct	*-337.83*	
		For Class 54 Rating, Add	*230.34*	
		For Class 55 Rating, Add	*511.97*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,278.59	706.60
		For Class 52 Rating, Deduct	*-352.88*	
		For Class 54 Rating, Add	*240.60*	
		For Class 55 Rating, Add	*534.77*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,418.89	708.90
		For Class 52 Rating, Deduct	*-367.93*	
		For Class 54 Rating, Add	*250.86*	
		For Class 55 Rating, Add	*557.58*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.19	711.21
		For Class 52 Rating, Deduct	*-382.98*	
		For Class 54 Rating, Add	*261.12*	
		For Class 55 Rating, Add	*580.38*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,699.49	713.52
		For Class 52 Rating, Deduct	*-398.02*	
		For Class 54 Rating, Add	*271.38*	
		For Class 55 Rating, Add	*603.19*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,839.78	715.83
		For Class 52 Rating, Deduct	*-413.07*	
		For Class 54 Rating, Add	*281.64*	
		For Class 55 Rating, Add	*625.99*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,980.08	718.14
		For Class 52 Rating, Deduct	*-428.12*	
		For Class 54 Rating, Add	*291.90*	
		For Class 55 Rating, Add	*648.80*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,120.39	720.44
		For Class 52 Rating, Deduct	*-443.17*	
		For Class 54 Rating, Add	*302.16*	
		For Class 55 Rating, Add	*671.60*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,260.68	722.75
		For Class 52 Rating, Deduct	*-458.22*	
		For Class 54 Rating, Add	*312.42*	
		For Class 55 Rating, Add	*694.41*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,400.98	725.07
		For Class 52 Rating, Deduct	*-473.26*	
		For Class 54 Rating, Add	*322.68*	
		For Class 55 Rating, Add	*717.21*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,541.28	727.37
		For Class 52 Rating, Deduct	*-488.31*	
		For Class 54 Rating, Add	*332.94*	
		For Class 55 Rating, Add	*740.01*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,681.58	729.68
		For Class 52 Rating, Deduct	*-503.36*	
		For Class 54 Rating, Add	*343.20*	
		For Class 55 Rating, Add	*762.82*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,821.88	731.99
		For Class 52 Rating, Deduct	*-518.41*	
		For Class 54 Rating, Add	*353.46*	
		For Class 55 Rating, Add	*785.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,962.18	734.30
		For Class 52 Rating, Deduct	*-533.46*	
		For Class 54 Rating, Add	*363.72*	
		For Class 55 Rating, Add	*808.43*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,102.47	736.61
		For Class 52 Rating, Deduct	*-548.50*	
		For Class 54 Rating, Add	*373.98*	
		For Class 55 Rating, Add	*831.23*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,242.77	738.92
		For Class 52 Rating, Deduct	*-563.55*	
		For Class 54 Rating, Add	*384.24*	
		For Class 55 Rating, Add	*854.04*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,442.55	780.49
		For Class 52 Rating, Deduct	*-578.60*	
		For Class 54 Rating, Add	*394.50*	
		For Class 55 Rating, Add	*876.84*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,582.85	782.79
		For Class 52 Rating, Deduct	*-593.65*	
		For Class 54 Rating, Add	*404.76*	
		For Class 55 Rating, Add	*899.65*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.14	785.10
		For Class 52 Rating, Deduct	*-608.70*	
		For Class 54 Rating, Add	*415.02*	
		For Class 55 Rating, Add	*922.45*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,863.45	787.41
		For Class 52 Rating, Deduct	*-623.74*	
		For Class 54 Rating, Add	*425.28*	
		For Class 55 Rating, Add	*945.26*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,003.75	789.72
		For Class 52 Rating, Deduct	*-638.79*	
		For Class 54 Rating, Add	*435.54*	
		For Class 55 Rating, Add	*968.06*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,144.04	792.03
		For Class 52 Rating, Deduct	*-653.84*	
		For Class 54 Rating, Add	*445.80*	
		For Class 55 Rating, Add	*990.86*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,284.34	794.33
		For Class 52 Rating, Deduct	*-668.89*	
		For Class 54 Rating, Add	*456.06*	
		For Class 55 Rating, Add	*1,013.67*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,424.65	796.65
		For Class 52 Rating, Deduct	*-683.94*	
		For Class 54 Rating, Add	*466.32*	
		For Class 55 Rating, Add	*1,036.47*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,564.94	798.96
		For Class 52 Rating, Deduct	*-698.98*	
		For Class 54 Rating, Add	*476.58*	
		For Class 55 Rating, Add	*1,059.28*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.45	951.36
		For Class 52 Rating, Deduct	*-227.04*	
		For Class 54 Rating, Add	*154.80*	
		For Class 55 Rating, Add	*344.07*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,706.55	953.67
		For Class 52 Rating, Deduct	*-248.78*	
		For Class 54 Rating, Add	*169.62*	
		For Class 55 Rating, Add	*377.01*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,907.65	955.97
		For Class 52 Rating, Deduct	*-270.51*	
		For Class 54 Rating, Add	*184.44*	
		For Class 55 Rating, Add	*409.95*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,108.75	958.29
		For Class 52 Rating, Deduct	*-292.25*	
		For Class 54 Rating, Add	*199.26*	
		For Class 55 Rating, Add	*442.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,309.84	960.60
		For Class 52 Rating, Deduct	*-313.98*	
		For Class 54 Rating, Add	*214.08*	
		For Class 55 Rating, Add	*475.83*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,510.94	962.90
		For Class 52 Rating, Deduct	*-335.72*	
		For Class 54 Rating, Add	*228.90*	
		For Class 55 Rating, Add	*508.77*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,712.05	965.21
		For Class 52 Rating, Deduct	*-357.46*	
		For Class 54 Rating, Add	*243.72*	
		For Class 55 Rating, Add	*541.71*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,913.14	967.53
		For Class 52 Rating, Deduct	*-379.19*	
		For Class 54 Rating, Add	*258.54*	
		For Class 55 Rating, Add	*574.65*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,114.24	969.83
		For Class 52 Rating, Deduct	*-400.93*	
		For Class 54 Rating, Add	*273.36*	
		For Class 55 Rating, Add	*607.59*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,315.34	972.14
		For Class 52 Rating, Deduct	*-422.66*	
		For Class 54 Rating, Add	*288.18*	
		For Class 55 Rating, Add	*640.53*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,516.44	974.45
		For Class 52 Rating, Deduct	*-444.40*	
		For Class 54 Rating, Add	*303.00*	
		For Class 55 Rating, Add	*673.47*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,717.54	976.76
		For Class 52 Rating, Deduct	*-466.14*	
		For Class 54 Rating, Add	*317.82*	
		For Class 55 Rating, Add	*706.41*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,918.64	979.07
		For Class 52 Rating, Deduct	*-487.87*	
		For Class 54 Rating, Add	*332.64*	
		For Class 55 Rating, Add	*739.35*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,119.73	981.38
		For Class 52 Rating, Deduct	*-509.61*	
		For Class 54 Rating, Add	*347.46*	
		For Class 55 Rating, Add	*772.29*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,320.83	983.68
		For Class 52 Rating, Deduct	*-531.34*	
		For Class 54 Rating, Add	*362.28*	
		For Class 55 Rating, Add	*805.23*	
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,521.94	986.00
		For Class 52 Rating, Deduct	*-553.08*	
		For Class 54 Rating, Add	*377.10*	
		For Class 55 Rating, Add	*838.17*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.03	988.30
		For Class 52 Rating, Deduct	*-574.82*	
		For Class 54 Rating, Add	*391.92*	
		For Class 55 Rating, Add	*871.11*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,924.13	990.61
		For Class 52 Rating, Deduct	*-596.55*	
		For Class 54 Rating, Add	*406.74*	
		For Class 55 Rating, Add	*904.05*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,125.23	992.92
		For Class 52 Rating, Deduct	*-618.29*	
		For Class 54 Rating, Add	*421.56*	
		For Class 55 Rating, Add	*936.99*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,326.32	995.23
		For Class 52 Rating, Deduct	*-640.02*	
		For Class 54 Rating, Add	*436.38*	
		For Class 55 Rating, Add	*969.93*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,527.43	997.54
		For Class 52 Rating, Deduct	*-661.76*	
		For Class 54 Rating, Add	*451.20*	
		For Class 55 Rating, Add	*1,002.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,728.53	999.85
		For Class 52 Rating, Deduct	*-683.50*	
		For Class 54 Rating, Add	*466.02*	
		For Class 55 Rating, Add	*1,035.81*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,929.62	1,002.15
		For Class 52 Rating, Deduct	*-705.23*	
		For Class 54 Rating, Add	*480.84*	
		For Class 55 Rating, Add	*1,068.75*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,130.72	1,004.47
		For Class 52 Rating, Deduct	*-726.97*	
		For Class 54 Rating, Add	*495.66*	
		For Class 55 Rating, Add	*1,101.69*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,331.82	1,006.78
		For Class 52 Rating, Deduct	*-748.70*	
		For Class 54 Rating, Add	*510.48*	
		For Class 55 Rating, Add	*1,134.63*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,532.92	1,009.08
		For Class 52 Rating, Deduct	*-770.44*	
		For Class 54 Rating, Add	*525.30*	
		For Class 55 Rating, Add	*1,167.57*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,734.02	1,011.39
		For Class 52 Rating, Deduct	*-792.18*	
		For Class 54 Rating, Add	*540.12*	
		For Class 55 Rating, Add	*1,200.51*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,935.12	1,013.71
		For Class 52 Rating, Deduct	*-813.91*	
		For Class 54 Rating, Add	*554.94*	
		For Class 55 Rating, Add	*1,233.45*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,136.21	1,016.01
		For Class 52 Rating, Deduct	*-835.65*	
		For Class 54 Rating, Add	*569.76*	
		For Class 55 Rating, Add	*1,266.39*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,337.31	1,018.32
		For Class 52 Rating, Deduct	*-857.38*	
		For Class 54 Rating, Add	*584.58*	
		For Class 55 Rating, Add	*1,299.33*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,538.42	1,020.64
		For Class 52 Rating, Deduct	*-879.12*	
		For Class 54 Rating, Add	*599.40*	
		For Class 55 Rating, Add	*1,332.27*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,739.51	1,022.94
		For Class 52 Rating, Deduct	*-900.86*	
		For Class 54 Rating, Add	*614.22*	
		For Class 55 Rating, Add	*1,365.21*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,940.61	1,025.25
		For Class 52 Rating, Deduct	*-922.59*	
		For Class 54 Rating, Add	*629.04*	
		For Class 55 Rating, Add	*1,398.15*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,141.71	1,027.56
		For Class 52 Rating, Deduct	*-944.33*	
		For Class 54 Rating, Add	*643.86*	
		For Class 55 Rating, Add	*1,431.09*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,342.80	1,029.87
		For Class 52 Rating, Deduct	*-966.06*	
		For Class 54 Rating, Add	*658.68*	
		For Class 55 Rating, Add	*1,464.03*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,543.91	1,032.18
		For Class 52 Rating, Deduct	*-987.80*	
		For Class 54 Rating, Add	*673.50*	
		For Class 55 Rating, Add	*1,496.97*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,745.01	1,034.49
		For Class 52 Rating, Deduct	*-1,009.54*	
		For Class 54 Rating, Add	*688.32*	
		For Class 55 Rating, Add	*1,529.91*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,946.10	1,036.79
		For Class 52 Rating, Deduct	*-1,031.27*	
		For Class 54 Rating, Add	*703.14*	
		For Class 55 Rating, Add	*1,562.85*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989		36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*			
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,735.90	1,205.36
		For Class 52 Rating, Deduct		*-320.06*	
		For Class 54 Rating, Add		*218.22*	
		For Class 55 Rating, Add		*485.03*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,008.20	1,207.67
		For Class 52 Rating, Deduct		*-349.62*	
		For Class 54 Rating, Add		*238.38*	
		For Class 55 Rating, Add		*529.84*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,280.51	1,209.98
		For Class 52 Rating, Deduct		*-379.19*	
		For Class 54 Rating, Add		*258.54*	
		For Class 55 Rating, Add		*574.65*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,552.80	1,212.29
		For Class 52 Rating, Deduct		*-408.76*	
		For Class 54 Rating, Add		*278.70*	
		For Class 55 Rating, Add		*619.46*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,825.10	1,214.60
		For Class 52 Rating, Deduct		*-438.33*	
		For Class 54 Rating, Add		*298.86*	
		For Class 55 Rating, Add		*664.27*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,097.40	1,216.90
		For Class 52 Rating, Deduct		*-467.90*	
		For Class 54 Rating, Add		*319.02*	
		For Class 55 Rating, Add		*709.08*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,369.69	1,219.22
		For Class 52 Rating, Deduct		*-497.46*	
		For Class 54 Rating, Add		*339.18*	
		For Class 55 Rating, Add		*753.88*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,642.00	1,221.53
		For Class 52 Rating, Deduct		*-527.03*	
		For Class 54 Rating, Add		*359.34*	
		For Class 55 Rating, Add		*798.69*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,914.30	1,223.83
		For Class 52 Rating, Deduct		*-556.60*	
		For Class 54 Rating, Add		*379.50*	
		For Class 55 Rating, Add		*843.50*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,186.59	1,226.14
		For Class 52 Rating, Deduct		*-586.17*	
		For Class 54 Rating, Add		*399.66*	
		For Class 55 Rating, Add		*888.31*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,458.89	1,228.46
		For Class 52 Rating, Deduct		*-615.74*	
		For Class 54 Rating, Add		*419.82*	
		For Class 55 Rating, Add		*933.12*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,731.20	1,230.76
		For Class 52 Rating, Deduct		*-645.30*	
		For Class 54 Rating, Add		*439.98*	
		For Class 55 Rating, Add		*977.93*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,003.49	1,233.07
		For Class 52 Rating, Deduct		*-674.87*	
		For Class 54 Rating, Add		*460.14*	
		For Class 55 Rating, Add		*1,022.74*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,275.79	1,235.38
		For Class 52 Rating, Deduct		*-704.44*	
		For Class 54 Rating, Add		*480.30*	
		For Class 55 Rating, Add		*1,067.55*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,548.09	1,237.69
		For Class 52 Rating, Deduct		*-734.01*	
		For Class 54 Rating, Add		*500.46*	
		For Class 55 Rating, Add		*1,112.36*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,820.38	1,240.00
		For Class 52 Rating, Deduct		*-763.58*	
		For Class 54 Rating, Add		*520.62*	
		For Class 55 Rating, Add		*1,157.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,092.69	1,242.31
		For Class 52 Rating, Deduct	*-793.14*	
		For Class 54 Rating, Add	*540.78*	
		For Class 55 Rating, Add	*1,201.97*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,364.99	1,244.61
		For Class 52 Rating, Deduct	*-822.71*	
		For Class 54 Rating, Add	*560.94*	
		For Class 55 Rating, Add	*1,246.78*	
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,637.28	1,246.93
		For Class 52 Rating, Deduct	*-852.28*	
		For Class 54 Rating, Add	*581.10*	
		For Class 55 Rating, Add	*1,291.59*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,909.58	1,249.24
		For Class 52 Rating, Deduct	*-881.85*	
		For Class 54 Rating, Add	*601.26*	
		For Class 55 Rating, Add	*1,336.40*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,181.88	1,251.54
		For Class 52 Rating, Deduct	*-911.42*	
		For Class 54 Rating, Add	*621.42*	
		For Class 55 Rating, Add	*1,381.21*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,454.18	1,253.85
		For Class 52 Rating, Deduct	*-940.98*	
		For Class 54 Rating, Add	*641.58*	
		For Class 55 Rating, Add	*1,426.02*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,726.48	1,256.16
		For Class 52 Rating, Deduct	*-970.55*	
		For Class 54 Rating, Add	*661.74*	
		For Class 55 Rating, Add	*1,470.83*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,998.77	1,258.47
		For Class 52 Rating, Deduct	*-1,000.12*	
		For Class 54 Rating, Add	*681.90*	
		For Class 55 Rating, Add	*1,515.64*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,271.07	1,260.78
		For Class 52 Rating, Deduct	*-1,029.69*	
		For Class 54 Rating, Add	*702.06*	
		For Class 55 Rating, Add	*1,560.45*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,543.37	1,263.09
		For Class 52 Rating, Deduct	*-1,059.26*	
		For Class 54 Rating, Add	*722.22*	
		For Class 55 Rating, Add	*1,605.25*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,815.67	1,265.40
		For Class 52 Rating, Deduct	*-1,088.82*	
		For Class 54 Rating, Add	*742.38*	
		For Class 55 Rating, Add	*1,650.06*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,087.97	1,267.71
		For Class 52 Rating, Deduct	*-1,118.39*	
		For Class 54 Rating, Add	*762.54*	
		For Class 55 Rating, Add	*1,694.87*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,360.27	1,270.01
		For Class 52 Rating, Deduct	*-1,147.96*	
		For Class 54 Rating, Add	*782.70*	
		For Class 55 Rating, Add	*1,739.68*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,632.56	1,272.33
		For Class 52 Rating, Deduct	*-1,177.53*	
		For Class 54 Rating, Add	*802.86*	
		For Class 55 Rating, Add	*1,784.49*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,904.86	1,274.64
		For Class 52 Rating, Deduct	*-1,207.10*	
		For Class 54 Rating, Add	*823.02*	
		For Class 55 Rating, Add	*1,829.30*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,177.17	1,276.94
		For Class 52 Rating, Deduct	*-1,236.66*	
		For Class 54 Rating, Add	*843.18*	
		For Class 55 Rating, Add	*1,874.11*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,449.46	1,279.25
		For Class 52 Rating, Deduct	*-1,266.23*	
		For Class 54 Rating, Add	*863.34*	
		For Class 55 Rating, Add	*1,918.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,721.76	1,281.57
		For Class 52 Rating, Deduct	*-1,295.80*	
		For Class 54 Rating, Add	*883.50*	
		For Class 55 Rating, Add	*1,963.73*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,994.06	1,283.87
		For Class 52 Rating, Deduct	*-1,325.37*	
		For Class 54 Rating, Add	*903.66*	
		For Class 55 Rating, Add	*2,008.53*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,266.35	1,286.18
		For Class 52 Rating, Deduct	*-1,354.94*	
		For Class 54 Rating, Add	*923.82*	
		For Class 55 Rating, Add	*2,053.34*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,538.66	1,288.49
		For Class 52 Rating, Deduct	*-1,384.50*	
		For Class 54 Rating, Add	*943.98*	
		For Class 55 Rating, Add	*2,098.15*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,810.96	1,290.80
		For Class 52 Rating, Deduct	*-1,414.07*	
		For Class 54 Rating, Add	*964.14*	
		For Class 55 Rating, Add	*2,142.96*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	287.11	112.93
		For Class 52 Rating, Deduct	*-12.76*	
		For Class 54 Rating, Add	*8.70*	
		For Class 55 Rating, Add	*19.34*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	310.90	114.91
		For Class 52 Rating, Deduct	*-15.05*	
		For Class 54 Rating, Add	*10.26*	
		For Class 55 Rating, Add	*22.80*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	334.69	116.88
		For Class 52 Rating, Deduct	*-17.34*	
		For Class 54 Rating, Add	*11.82*	
		For Class 55 Rating, Add	*26.27*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	358.48	118.85
		For Class 52 Rating, Deduct	*-19.62*	
		For Class 54 Rating, Add	*13.38*	
		For Class 55 Rating, Add	*29.74*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	382.27	120.83
		For Class 52 Rating, Deduct	*-21.91*	
		For Class 54 Rating, Add	*14.94*	
		For Class 55 Rating, Add	*33.21*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	406.06	122.80
		For Class 52 Rating, Deduct	*-24.20*	
		For Class 54 Rating, Add	*16.50*	
		For Class 55 Rating, Add	*36.67*	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	429.85	124.78
		For Class 52 Rating, Deduct	*-26.49*	
		For Class 54 Rating, Add	*18.06*	
		For Class 55 Rating, Add	*40.14*	
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	453.64	126.75
		For Class 52 Rating, Deduct	*-28.78*	
		For Class 54 Rating, Add	*19.62*	
		For Class 55 Rating, Add	*43.61*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	477.43	128.73
		For Class 52 Rating, Deduct	*-31.06*	
		For Class 54 Rating, Add	*21.18*	
		For Class 55 Rating, Add	*47.08*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	501.23	130.70
		For Class 52 Rating, Deduct	*-33.35*	
		For Class 54 Rating, Add	*22.74*	
		For Class 55 Rating, Add	*50.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	525.02	132.67
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	548.81	134.65
		For Class 52 Rating, Deduct	*-37.93*	
		For Class 54 Rating, Add	*25.86*	
		For Class 55 Rating, Add	*57.48*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	572.60	136.63
		For Class 52 Rating, Deduct	*-40.22*	
		For Class 54 Rating, Add	*27.42*	
		For Class 55 Rating, Add	*60.95*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	596.39	138.60
		For Class 52 Rating, Deduct	*-42.50*	
		For Class 54 Rating, Add	*28.98*	
		For Class 55 Rating, Add	*64.41*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	620.18	140.57
		For Class 52 Rating, Deduct	*-44.79*	
		For Class 54 Rating, Add	*30.54*	
		For Class 55 Rating, Add	*67.88*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	643.97	142.55
		For Class 52 Rating, Deduct	*-47.08*	
		For Class 54 Rating, Add	*32.10*	
		For Class 55 Rating, Add	*71.35*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.76	144.52
		For Class 52 Rating, Deduct	*-49.37*	
		For Class 54 Rating, Add	*33.66*	
		For Class 55 Rating, Add	*74.81*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	691.55	146.49
		For Class 52 Rating, Deduct	*-51.66*	
		For Class 54 Rating, Add	*35.22*	
		For Class 55 Rating, Add	*78.28*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	715.34	148.46
		For Class 52 Rating, Deduct	*-53.94*	
		For Class 54 Rating, Add	*36.78*	
		For Class 55 Rating, Add	*81.75*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	739.14	150.44
		For Class 52 Rating, Deduct	*-56.23*	
		For Class 54 Rating, Add	*38.34*	
		For Class 55 Rating, Add	*85.22*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.93	152.42
		For Class 52 Rating, Deduct	*-58.52*	
		For Class 54 Rating, Add	*39.90*	
		For Class 55 Rating, Add	*88.68*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	786.72	154.38
		For Class 52 Rating, Deduct	*-60.81*	
		For Class 54 Rating, Add	*41.46*	
		For Class 55 Rating, Add	*92.15*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	810.51	156.36
		For Class 52 Rating, Deduct	*-63.10*	
		For Class 54 Rating, Add	*43.02*	
		For Class 55 Rating, Add	*95.62*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.30	158.34
		For Class 52 Rating, Deduct	*-65.38*	
		For Class 54 Rating, Add	*44.58*	
		For Class 55 Rating, Add	*99.09*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	858.10	160.31
		For Class 52 Rating, Deduct	*-67.67*	
		For Class 54 Rating, Add	*46.14*	
		For Class 55 Rating, Add	*102.55*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	881.89	162.28
		For Class 52 Rating, Deduct	*-69.96*	
		For Class 54 Rating, Add	*47.70*	
		For Class 55 Rating, Add	*106.02*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	905.68	164.26
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.47	166.24
		For Class 52 Rating, Deduct	*-74.54*	
		For Class 54 Rating, Add	*50.82*	
		For Class 55 Rating, Add	*112.96*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.26	168.21
		For Class 52 Rating, Deduct	*-76.82*	
		For Class 54 Rating, Add	*52.38*	
		For Class 55 Rating, Add	*116.42*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	977.06	170.18
		For Class 52 Rating, Deduct	*-79.11*	
		For Class 54 Rating, Add	*53.94*	
		For Class 55 Rating, Add	*119.89*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.85	172.16
		For Class 52 Rating, Deduct	*-81.40*	
		For Class 54 Rating, Add	*55.50*	
		For Class 55 Rating, Add	*123.36*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,024.64	174.14
		For Class 52 Rating, Deduct	*-83.69*	
		For Class 54 Rating, Add	*57.06*	
		For Class 55 Rating, Add	*126.83*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,048.43	176.11
		For Class 52 Rating, Deduct	*-85.98*	
		For Class 54 Rating, Add	*58.62*	
		For Class 55 Rating, Add	*130.29*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,072.22	178.08
		For Class 52 Rating, Deduct	*-88.26*	
		For Class 54 Rating, Add	*60.18*	
		For Class 55 Rating, Add	*133.76*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.01	180.06
		For Class 52 Rating, Deduct	*-90.55*	
		For Class 54 Rating, Add	*61.74*	
		For Class 55 Rating, Add	*137.23*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.80	182.03
		For Class 52 Rating, Deduct	*-92.84*	
		For Class 54 Rating, Add	*63.30*	
		For Class 55 Rating, Add	*140.69*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,143.59	184.01
		For Class 52 Rating, Deduct	*-95.13*	
		For Class 54 Rating, Add	*64.86*	
		For Class 55 Rating, Add	*144.16*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.38	185.98
		For Class 52 Rating, Deduct	*-97.42*	
		For Class 54 Rating, Add	*66.42*	
		For Class 55 Rating, Add	*147.63*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.17	187.96
		For Class 52 Rating, Deduct	*-99.70*	
		For Class 54 Rating, Add	*67.98*	
		For Class 55 Rating, Add	*151.10*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	360.18	142.16
		For Class 52 Rating, Deduct	*-15.93*	
		For Class 54 Rating, Add	*10.86*	
		For Class 55 Rating, Add	*24.14*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	388.77	144.12
		For Class 52 Rating, Deduct	*-18.74*	
		For Class 54 Rating, Add	*12.78*	
		For Class 55 Rating, Add	*28.41*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	417.36	146.09
		For Class 52 Rating, Deduct	*-21.56*	
		For Class 54 Rating, Add	*14.70*	
		For Class 55 Rating, Add	*32.67*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	445.95	148.07
		For Class 52 Rating, Deduct	*-24.38*	
		For Class 54 Rating, Add	*16.62*	
		For Class 55 Rating, Add	*36.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	474.55	150.05
		For Class 52 Rating, Deduct	*-27.19*	
		For Class 54 Rating, Add	*18.54*	
		For Class 55 Rating, Add	*41.21*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	503.14	152.01
		For Class 52 Rating, Deduct	*-30.01*	
		For Class 54 Rating, Add	*20.46*	
		For Class 55 Rating, Add	*45.48*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	531.73	153.99
		For Class 52 Rating, Deduct	*-32.82*	
		For Class 54 Rating, Add	*22.38*	
		For Class 55 Rating, Add	*49.74*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	560.32	155.97
		For Class 52 Rating, Deduct	*-35.64*	
		For Class 54 Rating, Add	*24.30*	
		For Class 55 Rating, Add	*54.01*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	588.91	157.95
		For Class 52 Rating, Deduct	*-38.46*	
		For Class 54 Rating, Add	*26.22*	
		For Class 55 Rating, Add	*58.28*	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.50	159.91
		For Class 52 Rating, Deduct	*-41.27*	
		For Class 54 Rating, Add	*28.14*	
		For Class 55 Rating, Add	*62.55*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	646.09	161.89
		For Class 52 Rating, Deduct	*-44.09*	
		For Class 54 Rating, Add	*30.06*	
		For Class 55 Rating, Add	*66.81*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	674.68	163.87
		For Class 52 Rating, Deduct	*-46.90*	
		For Class 54 Rating, Add	*31.98*	
		For Class 55 Rating, Add	*71.08*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	703.27	165.84
		For Class 52 Rating, Deduct	*-49.72*	
		For Class 54 Rating, Add	*33.90*	
		For Class 55 Rating, Add	*75.35*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	731.86	167.81
		For Class 52 Rating, Deduct	*-52.54*	
		For Class 54 Rating, Add	*35.82*	
		For Class 55 Rating, Add	*79.62*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	760.46	169.79
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	789.05	171.77
		For Class 52 Rating, Deduct	*-58.17*	
		For Class 54 Rating, Add	*39.66*	
		For Class 55 Rating, Add	*88.15*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	817.64	173.74
		For Class 52 Rating, Deduct	*-60.98*	
		For Class 54 Rating, Add	*41.58*	
		For Class 55 Rating, Add	*92.42*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	846.23	175.71
		For Class 52 Rating, Deduct	*-63.80*	
		For Class 54 Rating, Add	*43.50*	
		For Class 55 Rating, Add	*96.69*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.82	177.69
		For Class 52 Rating, Deduct	*-66.62*	
		For Class 54 Rating, Add	*45.42*	
		For Class 55 Rating, Add	*100.95*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.41	179.67
		For Class 52 Rating, Deduct	*-69.43*	
		For Class 54 Rating, Add	*47.34*	
		For Class 55 Rating, Add	*105.22*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.00	181.64
		For Class 52 Rating, Deduct	*-72.25*	
		For Class 54 Rating, Add	*49.26*	
		For Class 55 Rating, Add	*109.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	960.59	183.61
		For Class 52 Rating, Deduct	*-75.06*	
		For Class 54 Rating, Add	*51.18*	
		For Class 55 Rating, Add	*113.76*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.19	185.59
		For Class 52 Rating, Deduct	*-77.88*	
		For Class 54 Rating, Add	*53.10*	
		For Class 55 Rating, Add	*118.02*	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.78	187.56
		For Class 52 Rating, Deduct	*-80.70*	
		For Class 54 Rating, Add	*55.02*	
		For Class 55 Rating, Add	*122.29*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.38	189.53
		For Class 52 Rating, Deduct	*-83.51*	
		For Class 54 Rating, Add	*56.94*	
		For Class 55 Rating, Add	*126.56*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.97	191.51
		For Class 52 Rating, Deduct	*-86.33*	
		For Class 54 Rating, Add	*58.86*	
		For Class 55 Rating, Add	*130.83*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,103.56	193.49
		For Class 52 Rating, Deduct	*-89.14*	
		For Class 54 Rating, Add	*60.78*	
		For Class 55 Rating, Add	*135.09*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,132.15	195.46
		For Class 52 Rating, Deduct	*-91.96*	
		For Class 54 Rating, Add	*62.70*	
		For Class 55 Rating, Add	*139.36*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.74	197.43
		For Class 52 Rating, Deduct	*-94.78*	
		For Class 54 Rating, Add	*64.62*	
		For Class 55 Rating, Add	*143.63*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.33	199.41
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.92	201.37
		For Class 52 Rating, Deduct	*-100.41*	
		For Class 54 Rating, Add	*68.46*	
		For Class 55 Rating, Add	*152.16*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.51	203.35
		For Class 52 Rating, Deduct	*-103.22*	
		For Class 54 Rating, Add	*70.38*	
		For Class 55 Rating, Add	*156.43*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.10	205.32
		For Class 52 Rating, Deduct	*-106.04*	
		For Class 54 Rating, Add	*72.30*	
		For Class 55 Rating, Add	*160.70*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.69	207.30
		For Class 52 Rating, Deduct	*-108.86*	
		For Class 54 Rating, Add	*74.22*	
		For Class 55 Rating, Add	*164.97*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.28	209.27
		For Class 52 Rating, Deduct	*-111.67*	
		For Class 54 Rating, Add	*76.14*	
		For Class 55 Rating, Add	*169.23*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.88	211.25
		For Class 52 Rating, Deduct	*-114.49*	
		For Class 54 Rating, Add	*78.06*	
		For Class 55 Rating, Add	*173.50*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,389.47	213.22
		For Class 52 Rating, Deduct	*-117.30*	
		For Class 54 Rating, Add	*79.98*	
		For Class 55 Rating, Add	*177.77*	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.06	215.19
		For Class 52 Rating, Deduct	*-120.12*	
		For Class 54 Rating, Add	*81.90*	
		For Class 55 Rating, Add	*182.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.65	217.17
		For Class 52 Rating, Deduct	*-122.94*	
		For Class 54 Rating, Add	*83.82*	
		For Class 55 Rating, Add	*186.30*	
40 05 19 00-1109		8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	485.60	181.64
		For Class 52 Rating, Deduct	*-23.14*	
		For Class 54 Rating, Add	*15.78*	
		For Class 55 Rating, Add	*35.07*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	523.79	183.61
		For Class 52 Rating, Deduct	*-27.02*	
		For Class 54 Rating, Add	*18.42*	
		For Class 55 Rating, Add	*40.94*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	561.99	185.59
		For Class 52 Rating, Deduct	*-30.89*	
		For Class 54 Rating, Add	*21.06*	
		For Class 55 Rating, Add	*46.81*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	600.18	187.56
		For Class 52 Rating, Deduct	*-34.76*	
		For Class 54 Rating, Add	*23.70*	
		For Class 55 Rating, Add	*52.68*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	638.38	189.53
		For Class 52 Rating, Deduct	*-38.63*	
		For Class 54 Rating, Add	*26.34*	
		For Class 55 Rating, Add	*58.55*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	676.57	191.51
		For Class 52 Rating, Deduct	*-42.50*	
		For Class 54 Rating, Add	*28.98*	
		For Class 55 Rating, Add	*64.41*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	714.76	193.49
		For Class 52 Rating, Deduct	*-46.38*	
		For Class 54 Rating, Add	*31.62*	
		For Class 55 Rating, Add	*70.28*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	752.95	195.46
		For Class 52 Rating, Deduct	*-50.25*	
		For Class 54 Rating, Add	*34.26*	
		For Class 55 Rating, Add	*76.15*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	791.14	197.43
		For Class 52 Rating, Deduct	*-54.12*	
		For Class 54 Rating, Add	*36.90*	
		For Class 55 Rating, Add	*82.02*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	829.33	199.41
		For Class 52 Rating, Deduct	*-57.99*	
		For Class 54 Rating, Add	*39.54*	
		For Class 55 Rating, Add	*87.88*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.52	201.37
		For Class 52 Rating, Deduct	*-61.86*	
		For Class 54 Rating, Add	*42.18*	
		For Class 55 Rating, Add	*93.75*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	905.71	203.35
		For Class 52 Rating, Deduct	*-65.74*	
		For Class 54 Rating, Add	*44.82*	
		For Class 55 Rating, Add	*99.62*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	943.90	205.32
		For Class 52 Rating, Deduct	*-69.61*	
		For Class 54 Rating, Add	*47.46*	
		For Class 55 Rating, Add	*105.49*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.09	207.30
		For Class 52 Rating, Deduct	*-73.48*	
		For Class 54 Rating, Add	*50.10*	
		For Class 55 Rating, Add	*111.36*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.28	209.27
		For Class 52 Rating, Deduct	*-77.35*	
		For Class 54 Rating, Add	*52.74*	
		For Class 55 Rating, Add	*117.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,058.48	211.25
		For Class 52 Rating, Deduct	*-81.22*	
		For Class 54 Rating, Add	*55.38*	
		For Class 55 Rating, Add	*123.09*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.67	213.22
		For Class 52 Rating, Deduct	*-85.10*	
		For Class 54 Rating, Add	*58.02*	
		For Class 55 Rating, Add	*128.96*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.86	215.19
		For Class 52 Rating, Deduct	*-88.97*	
		For Class 54 Rating, Add	*60.66*	
		For Class 55 Rating, Add	*134.83*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,173.05	217.17
		For Class 52 Rating, Deduct	*-92.84*	
		For Class 54 Rating, Add	*63.30*	
		For Class 55 Rating, Add	*140.69*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.24	219.15
		For Class 52 Rating, Deduct	*-96.71*	
		For Class 54 Rating, Add	*65.94*	
		For Class 55 Rating, Add	*146.56*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.43	221.12
		For Class 52 Rating, Deduct	*-100.58*	
		For Class 54 Rating, Add	*68.58*	
		For Class 55 Rating, Add	*152.43*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,287.62	223.09
		For Class 52 Rating, Deduct	*-104.46*	
		For Class 54 Rating, Add	*71.22*	
		For Class 55 Rating, Add	*158.30*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,325.81	225.07
		For Class 52 Rating, Deduct	*-108.33*	
		For Class 54 Rating, Add	*73.86*	
		For Class 55 Rating, Add	*164.17*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.00	227.05
		For Class 52 Rating, Deduct	*-112.20*	
		For Class 54 Rating, Add	*76.50*	
		For Class 55 Rating, Add	*170.03*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.19	229.02
		For Class 52 Rating, Deduct	*-116.07*	
		For Class 54 Rating, Add	*79.14*	
		For Class 55 Rating, Add	*175.90*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,440.39	230.99
		For Class 52 Rating, Deduct	*-119.94*	
		For Class 54 Rating, Add	*81.78*	
		For Class 55 Rating, Add	*181.77*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.58	232.97
		For Class 52 Rating, Deduct	*-123.82*	
		For Class 54 Rating, Add	*84.42*	
		For Class 55 Rating, Add	*187.64*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.77	234.95
		For Class 52 Rating, Deduct	*-127.69*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*193.51*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.96	236.91
		For Class 52 Rating, Deduct	*-131.56*	
		For Class 54 Rating, Add	*89.70*	
		For Class 55 Rating, Add	*199.37*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,593.16	238.89
		For Class 52 Rating, Deduct	*-135.43*	
		For Class 54 Rating, Add	*92.34*	
		For Class 55 Rating, Add	*205.24*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,631.35	240.87
		For Class 52 Rating, Deduct	*-139.30*	
		For Class 54 Rating, Add	*94.98*	
		For Class 55 Rating, Add	*211.11*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.54	242.85
		For Class 52 Rating, Deduct	*-143.18*	
		For Class 54 Rating, Add	*97.62*	
		For Class 55 Rating, Add	*216.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,707.73	244.81
		For Class 52 Rating, Deduct	*-147.05*	
		For Class 54 Rating, Add	*100.26*	
		For Class 55 Rating, Add	*222.84*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.92	246.79
		For Class 52 Rating, Deduct	*-150.92*	
		For Class 54 Rating, Add	*102.90*	
		For Class 55 Rating, Add	*228.71*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.11	248.77
		For Class 52 Rating, Deduct	*-154.79*	
		For Class 54 Rating, Add	*105.54*	
		For Class 55 Rating, Add	*234.58*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,822.31	250.74
		For Class 52 Rating, Deduct	*-158.66*	
		For Class 54 Rating, Add	*108.18*	
		For Class 55 Rating, Add	*240.45*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.50	252.71
		For Class 52 Rating, Deduct	*-162.54*	
		For Class 54 Rating, Add	*110.82*	
		For Class 55 Rating, Add	*246.32*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,898.69	254.69
		For Class 52 Rating, Deduct	*-166.41*	
		For Class 54 Rating, Add	*113.46*	
		For Class 55 Rating, Add	*252.18*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.88	256.67
		For Class 52 Rating, Deduct	*-170.28*	
		For Class 54 Rating, Add	*116.10*	
		For Class 55 Rating, Add	*258.05*	

40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.23	221.12
		For Class 52 Rating, Deduct	*-29.83*	
		For Class 54 Rating, Add	*20.34*	
		For Class 55 Rating, Add	*45.21*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	655.62	223.09
		For Class 52 Rating, Deduct	*-34.94*	
		For Class 54 Rating, Add	*23.82*	
		For Class 55 Rating, Add	*52.94*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	705.01	225.07
		For Class 52 Rating, Deduct	*-40.04*	
		For Class 54 Rating, Add	*27.30*	
		For Class 55 Rating, Add	*60.68*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	754.40	227.05
		For Class 52 Rating, Deduct	*-45.14*	
		For Class 54 Rating, Add	*30.78*	
		For Class 55 Rating, Add	*68.41*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	803.79	229.02
		For Class 52 Rating, Deduct	*-50.25*	
		For Class 54 Rating, Add	*34.26*	
		For Class 55 Rating, Add	*76.15*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	853.19	230.99
		For Class 52 Rating, Deduct	*-55.35*	
		For Class 54 Rating, Add	*37.74*	
		For Class 55 Rating, Add	*83.88*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	902.58	232.97
		For Class 52 Rating, Deduct	*-60.46*	
		For Class 54 Rating, Add	*41.22*	
		For Class 55 Rating, Add	*91.62*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.97	234.95
		For Class 52 Rating, Deduct	*-65.56*	
		For Class 54 Rating, Add	*44.70*	
		For Class 55 Rating, Add	*99.35*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,001.36	236.91
		For Class 52 Rating, Deduct	*-70.66*	
		For Class 54 Rating, Add	*48.18*	
		For Class 55 Rating, Add	*107.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.76	238.89
		For Class 52 Rating, Deduct	*-75.77*	
		For Class 54 Rating, Add	*51.66*	
		For Class 55 Rating, Add	*114.82*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,100.15	240.87
		For Class 52 Rating, Deduct	*-80.87*	
		For Class 54 Rating, Add	*55.14*	
		For Class 55 Rating, Add	*122.56*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,149.54	242.85
		For Class 52 Rating, Deduct	*-85.98*	
		For Class 54 Rating, Add	*58.62*	
		For Class 55 Rating, Add	*130.29*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.93	244.81
		For Class 52 Rating, Deduct	*-91.08*	
		For Class 54 Rating, Add	*62.10*	
		For Class 55 Rating, Add	*138.03*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.32	246.79
		For Class 52 Rating, Deduct	*-96.18*	
		For Class 54 Rating, Add	*65.58*	
		For Class 55 Rating, Add	*145.76*	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,297.71	248.77
		For Class 52 Rating, Deduct	*-101.29*	
		For Class 54 Rating, Add	*69.06*	
		For Class 55 Rating, Add	*153.50*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.11	250.74
		For Class 52 Rating, Deduct	*-106.39*	
		For Class 54 Rating, Add	*72.54*	
		For Class 55 Rating, Add	*161.23*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.50	252.71
		For Class 52 Rating, Deduct	*-111.50*	
		For Class 54 Rating, Add	*76.02*	
		For Class 55 Rating, Add	*168.97*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,445.89	254.69
		For Class 52 Rating, Deduct	*-116.60*	
		For Class 54 Rating, Add	*79.50*	
		For Class 55 Rating, Add	*176.70*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.28	256.67
		For Class 52 Rating, Deduct	*-121.70*	
		For Class 54 Rating, Add	*82.98*	
		For Class 55 Rating, Add	*184.44*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,544.67	258.63
		For Class 52 Rating, Deduct	*-126.81*	
		For Class 54 Rating, Add	*86.46*	
		For Class 55 Rating, Add	*192.17*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.06	260.60
		For Class 52 Rating, Deduct	*-131.91*	
		For Class 54 Rating, Add	*89.94*	
		For Class 55 Rating, Add	*199.91*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.45	262.58
		For Class 52 Rating, Deduct	*-137.02*	
		For Class 54 Rating, Add	*93.42*	
		For Class 55 Rating, Add	*207.64*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,692.84	264.55
		For Class 52 Rating, Deduct	*-142.12*	
		For Class 54 Rating, Add	*96.90*	
		For Class 55 Rating, Add	*215.38*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,742.23	266.53
		For Class 52 Rating, Deduct	*-147.22*	
		For Class 54 Rating, Add	*100.38*	
		For Class 55 Rating, Add	*223.11*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.62	268.50
		For Class 52 Rating, Deduct	*-152.33*	
		For Class 54 Rating, Add	*103.86*	
		For Class 55 Rating, Add	*230.85*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.02	270.48
		For Class 52 Rating, Deduct	*-157.43*	
		For Class 54 Rating, Add	*107.34*	
		For Class 55 Rating, Add	*238.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.41	272.45
		For Class 52 Rating, Deduct	*-162.54*	
		For Class 54 Rating, Add	*110.82*	
		For Class 55 Rating, Add	*246.32*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.80	274.43
		For Class 52 Rating, Deduct	*-167.64*	
		For Class 54 Rating, Add	*114.30*	
		For Class 55 Rating, Add	*254.05*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.19	276.40
		For Class 52 Rating, Deduct	*-172.74*	
		For Class 54 Rating, Add	*117.78*	
		For Class 55 Rating, Add	*261.79*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,038.58	278.38
		For Class 52 Rating, Deduct	*-177.85*	
		For Class 54 Rating, Add	*121.26*	
		For Class 55 Rating, Add	*269.52*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,087.97	280.35
		For Class 52 Rating, Deduct	*-182.95*	
		For Class 54 Rating, Add	*124.74*	
		For Class 55 Rating, Add	*277.26*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,137.36	282.32
		For Class 52 Rating, Deduct	*-188.06*	
		For Class 54 Rating, Add	*128.22*	
		For Class 55 Rating, Add	*284.99*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.75	284.30
		For Class 52 Rating, Deduct	*-193.16*	
		For Class 54 Rating, Add	*131.70*	
		For Class 55 Rating, Add	*292.73*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,236.14	286.27
		For Class 52 Rating, Deduct	*-198.26*	
		For Class 54 Rating, Add	*135.18*	
		For Class 55 Rating, Add	*300.46*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.53	288.25
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*138.66*	
		For Class 55 Rating, Add	*308.19*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,334.93	290.22
		For Class 52 Rating, Deduct	*-208.47*	
		For Class 54 Rating, Add	*142.14*	
		For Class 55 Rating, Add	*315.93*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.33	292.20
		For Class 52 Rating, Deduct	*-213.58*	
		For Class 54 Rating, Add	*145.62*	
		For Class 55 Rating, Add	*323.66*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,433.72	294.17
		For Class 52 Rating, Deduct	*-218.68*	
		For Class 54 Rating, Add	*149.10*	
		For Class 55 Rating, Add	*331.40*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.11	296.15
		For Class 52 Rating, Deduct	*-223.78*	
		For Class 54 Rating, Add	*152.58*	
		For Class 55 Rating, Add	*339.13*	
40 05 19 00-1189		12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	780.39	276.40
		For Class 52 Rating, Deduct	*-39.78*	
		For Class 54 Rating, Add	*27.12*	
		For Class 55 Rating, Add	*60.28*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	841.78	278.38
		For Class 52 Rating, Deduct	*-46.20*	
		For Class 54 Rating, Add	*31.50*	
		For Class 55 Rating, Add	*70.01*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.17	280.35
		For Class 52 Rating, Deduct	*-52.62*	
		For Class 54 Rating, Add	*35.88*	
		For Class 55 Rating, Add	*79.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	964.56	282.32
		For Class 52 Rating, Deduct	*-59.05*	
		For Class 54 Rating, Add	*40.26*	
		For Class 55 Rating, Add	*89.48*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,025.95	284.30
		For Class 52 Rating, Deduct	*-65.47*	
		For Class 54 Rating, Add	*44.64*	
		For Class 55 Rating, Add	*99.22*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,087.34	286.27
		For Class 52 Rating, Deduct	*-71.90*	
		For Class 54 Rating, Add	*49.02*	
		For Class 55 Rating, Add	*108.96*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.73	288.25
		For Class 52 Rating, Deduct	*-78.32*	
		For Class 54 Rating, Add	*53.40*	
		For Class 55 Rating, Add	*118.69*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.13	290.22
		For Class 52 Rating, Deduct	*-84.74*	
		For Class 54 Rating, Add	*57.78*	
		For Class 55 Rating, Add	*128.43*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.53	292.20
		For Class 52 Rating, Deduct	*-91.17*	
		For Class 54 Rating, Add	*62.16*	
		For Class 55 Rating, Add	*138.16*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.92	294.17
		For Class 52 Rating, Deduct	*-97.59*	
		For Class 54 Rating, Add	*66.54*	
		For Class 55 Rating, Add	*147.90*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,394.31	296.15
		For Class 52 Rating, Deduct	*-104.02*	
		For Class 54 Rating, Add	*70.92*	
		For Class 55 Rating, Add	*157.63*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,455.70	298.12
		For Class 52 Rating, Deduct	*-110.44*	
		For Class 54 Rating, Add	*75.30*	
		For Class 55 Rating, Add	*167.37*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.09	300.09
		For Class 52 Rating, Deduct	*-116.86*	
		For Class 54 Rating, Add	*79.68*	
		For Class 55 Rating, Add	*177.10*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,578.48	302.07
		For Class 52 Rating, Deduct	*-123.29*	
		For Class 54 Rating, Add	*84.06*	
		For Class 55 Rating, Add	*186.84*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.87	304.05
		For Class 52 Rating, Deduct	*-129.71*	
		For Class 54 Rating, Add	*88.44*	
		For Class 55 Rating, Add	*196.57*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,701.26	306.02
		For Class 52 Rating, Deduct	*-136.14*	
		For Class 54 Rating, Add	*92.82*	
		For Class 55 Rating, Add	*206.31*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,762.65	307.99
		For Class 52 Rating, Deduct	*-142.56*	
		For Class 54 Rating, Add	*97.20*	
		For Class 55 Rating, Add	*216.04*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,824.05	309.97
		For Class 52 Rating, Deduct	*-148.98*	
		For Class 54 Rating, Add	*101.58*	
		For Class 55 Rating, Add	*225.78*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,885.44	311.95
		For Class 52 Rating, Deduct	*-155.41*	
		For Class 54 Rating, Add	*105.96*	
		For Class 55 Rating, Add	*235.51*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,946.83	313.90
		For Class 52 Rating, Deduct	*-161.83*	
		For Class 54 Rating, Add	*110.34*	
		For Class 55 Rating, Add	*245.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,008.22	315.88
		For Class 52 Rating, Deduct	*-168.26*	
		For Class 54 Rating, Add	*114.72*	
		For Class 55 Rating, Add	*254.98*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.61	317.86
		For Class 52 Rating, Deduct	*-174.68*	
		For Class 54 Rating, Add	*119.10*	
		For Class 55 Rating, Add	*264.72*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,131.00	319.84
		For Class 52 Rating, Deduct	*-181.10*	
		For Class 54 Rating, Add	*123.48*	
		For Class 55 Rating, Add	*274.45*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,192.39	321.80
		For Class 52 Rating, Deduct	*-187.53*	
		For Class 54 Rating, Add	*127.86*	
		For Class 55 Rating, Add	*284.19*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.78	323.78
		For Class 52 Rating, Deduct	*-193.95*	
		For Class 54 Rating, Add	*132.24*	
		For Class 55 Rating, Add	*293.93*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.17	325.76
		For Class 52 Rating, Deduct	*-200.38*	
		For Class 54 Rating, Add	*136.62*	
		For Class 55 Rating, Add	*303.66*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.56	327.74
		For Class 52 Rating, Deduct	*-206.80*	
		For Class 54 Rating, Add	*141.00*	
		For Class 55 Rating, Add	*313.40*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,437.96	329.70
		For Class 52 Rating, Deduct	*-213.22*	
		For Class 54 Rating, Add	*145.38*	
		For Class 55 Rating, Add	*323.13*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.35	331.68
		For Class 52 Rating, Deduct	*-219.65*	
		For Class 54 Rating, Add	*149.76*	
		For Class 55 Rating, Add	*332.87*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,560.74	333.66
		For Class 52 Rating, Deduct	*-226.07*	
		For Class 54 Rating, Add	*154.14*	
		For Class 55 Rating, Add	*342.60*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.13	335.63
		For Class 52 Rating, Deduct	*-232.50*	
		For Class 54 Rating, Add	*158.52*	
		For Class 55 Rating, Add	*352.34*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.52	337.60
		For Class 52 Rating, Deduct	*-238.92*	
		For Class 54 Rating, Add	*162.90*	
		For Class 55 Rating, Add	*362.07*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.91	339.58
		For Class 52 Rating, Deduct	*-245.34*	
		For Class 54 Rating, Add	*167.28*	
		For Class 55 Rating, Add	*371.81*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.30	341.56
		For Class 52 Rating, Deduct	*-251.77*	
		For Class 54 Rating, Add	*171.66*	
		For Class 55 Rating, Add	*381.54*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.69	343.53
		For Class 52 Rating, Deduct	*-258.19*	
		For Class 54 Rating, Add	*176.04*	
		For Class 55 Rating, Add	*391.28*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,929.09	345.50
		For Class 52 Rating, Deduct	*-264.62*	
		For Class 54 Rating, Add	*180.42*	
		For Class 55 Rating, Add	*401.01*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,990.48	347.48
		For Class 52 Rating, Deduct	*-271.04*	
		For Class 54 Rating, Add	*184.80*	
		For Class 55 Rating, Add	*410.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.88	349.45
		For Class 52 Rating, Deduct	*-277.46*	
		For Class 54 Rating, Add	*189.18*	
		For Class 55 Rating, Add	*420.48*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,113.27	351.43
		For Class 52 Rating, Deduct	*-283.89*	
		For Class 54 Rating, Add	*193.56*	
		For Class 55 Rating, Add	*430.22*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.55	331.68
		For Class 52 Rating, Deduct	*-56.76*	
		For Class 54 Rating, Add	*38.70*	
		For Class 55 Rating, Add	*86.02*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,092.74	333.66
		For Class 52 Rating, Deduct	*-64.59*	
		For Class 54 Rating, Add	*44.04*	
		For Class 55 Rating, Add	*97.89*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.93	335.63
		For Class 52 Rating, Deduct	*-72.42*	
		For Class 54 Rating, Add	*49.38*	
		For Class 55 Rating, Add	*109.76*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.12	337.60
		For Class 52 Rating, Deduct	*-80.26*	
		For Class 54 Rating, Add	*54.72*	
		For Class 55 Rating, Add	*121.62*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,315.31	339.58
		For Class 52 Rating, Deduct	*-88.09*	
		For Class 54 Rating, Add	*60.06*	
		For Class 55 Rating, Add	*133.49*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,389.50	341.56
		For Class 52 Rating, Deduct	*-95.92*	
		For Class 54 Rating, Add	*65.40*	
		For Class 55 Rating, Add	*145.36*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.69	343.53
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,537.89	345.50
		For Class 52 Rating, Deduct	*-111.58*	
		For Class 54 Rating, Add	*76.08*	
		For Class 55 Rating, Add	*169.10*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,612.08	347.48
		For Class 52 Rating, Deduct	*-119.42*	
		For Class 54 Rating, Add	*81.42*	
		For Class 55 Rating, Add	*180.97*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.28	349.45
		For Class 52 Rating, Deduct	*-127.25*	
		For Class 54 Rating, Add	*86.76*	
		For Class 55 Rating, Add	*192.84*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,760.47	351.43
		For Class 52 Rating, Deduct	*-135.08*	
		For Class 54 Rating, Add	*92.10*	
		For Class 55 Rating, Add	*204.71*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.66	353.40
		For Class 52 Rating, Deduct	*-142.91*	
		For Class 54 Rating, Add	*97.44*	
		For Class 55 Rating, Add	*216.58*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.85	355.38
		For Class 52 Rating, Deduct	*-150.74*	
		For Class 54 Rating, Add	*102.78*	
		For Class 55 Rating, Add	*228.45*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,983.04	357.35
		For Class 52 Rating, Deduct	*-158.58*	
		For Class 54 Rating, Add	*108.12*	
		For Class 55 Rating, Add	*240.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.23	359.33
		For Class 52 Rating, Deduct	*-166.41*	
		For Class 54 Rating, Add	*113.46*	
		For Class 55 Rating, Add	*252.18*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,131.42	361.30
		For Class 52 Rating, Deduct	*-174.24*	
		For Class 54 Rating, Add	*118.80*	
		For Class 55 Rating, Add	*264.05*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.61	363.27
		For Class 52 Rating, Deduct	*-182.07*	
		For Class 54 Rating, Add	*124.14*	
		For Class 55 Rating, Add	*275.92*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.80	365.25
		For Class 52 Rating, Deduct	*-189.90*	
		For Class 54 Rating, Add	*129.48*	
		For Class 55 Rating, Add	*287.79*	
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,353.99	367.22
		For Class 52 Rating, Deduct	*-197.74*	
		For Class 54 Rating, Add	*134.82*	
		For Class 55 Rating, Add	*299.66*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,428.19	369.20
		For Class 52 Rating, Deduct	*-205.57*	
		For Class 54 Rating, Add	*140.16*	
		For Class 55 Rating, Add	*311.53*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,502.38	371.16
		For Class 52 Rating, Deduct	*-213.40*	
		For Class 54 Rating, Add	*145.50*	
		For Class 55 Rating, Add	*323.40*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.57	373.14
		For Class 52 Rating, Deduct	*-221.23*	
		For Class 54 Rating, Add	*150.84*	
		For Class 55 Rating, Add	*335.27*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.76	375.11
		For Class 52 Rating, Deduct	*-229.06*	
		For Class 54 Rating, Add	*156.18*	
		For Class 55 Rating, Add	*347.14*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,724.95	377.09
		For Class 52 Rating, Deduct	*-236.90*	
		For Class 54 Rating, Add	*161.52*	
		For Class 55 Rating, Add	*359.01*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.14	379.06
		For Class 52 Rating, Deduct	*-244.73*	
		For Class 54 Rating, Add	*166.86*	
		For Class 55 Rating, Add	*370.87*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,873.33	381.04
		For Class 52 Rating, Deduct	*-252.56*	
		For Class 54 Rating, Add	*172.20*	
		For Class 55 Rating, Add	*382.74*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,947.52	383.01
		For Class 52 Rating, Deduct	*-260.39*	
		For Class 54 Rating, Add	*177.54*	
		For Class 55 Rating, Add	*394.61*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,021.71	384.98
		For Class 52 Rating, Deduct	*-268.22*	
		For Class 54 Rating, Add	*182.88*	
		For Class 55 Rating, Add	*406.48*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,095.90	386.96
		For Class 52 Rating, Deduct	*-276.06*	
		For Class 54 Rating, Add	*188.22*	
		For Class 55 Rating, Add	*418.35*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.09	388.94
		For Class 52 Rating, Deduct	*-283.89*	
		For Class 54 Rating, Add	*193.56*	
		For Class 55 Rating, Add	*430.22*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.29	390.91
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.48	392.88
		For Class 52 Rating, Deduct	*-299.55*	
		For Class 54 Rating, Add	*204.24*	
		For Class 55 Rating, Add	*453.96*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,392.67	394.86
		For Class 52 Rating, Deduct	*-307.38*	
		For Class 54 Rating, Add	*209.58*	
		For Class 55 Rating, Add	*465.83*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,466.86	396.84
		For Class 52 Rating, Deduct	*-315.22*	
		For Class 54 Rating, Add	*214.92*	
		For Class 55 Rating, Add	*477.70*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.06	398.80
		For Class 52 Rating, Deduct	*-323.05*	
		For Class 54 Rating, Add	*220.26*	
		For Class 55 Rating, Add	*489.56*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.25	400.78
		For Class 52 Rating, Deduct	*-330.88*	
		For Class 54 Rating, Add	*225.60*	
		For Class 55 Rating, Add	*501.43*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.44	402.76
		For Class 52 Rating, Deduct	*-338.71*	
		For Class 54 Rating, Add	*230.94*	
		For Class 55 Rating, Add	*513.30*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,763.63	404.74
		For Class 52 Rating, Deduct	*-346.54*	
		For Class 54 Rating, Add	*236.28*	
		For Class 55 Rating, Add	*525.17*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,184.74	379.06
		For Class 52 Rating, Deduct	*-67.14*	
		For Class 54 Rating, Add	*45.78*	
		For Class 55 Rating, Add	*101.75*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.93	381.04
		For Class 52 Rating, Deduct	*-76.30*	
		For Class 54 Rating, Add	*52.02*	
		For Class 55 Rating, Add	*115.62*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.12	383.01
		For Class 52 Rating, Deduct	*-85.45*	
		For Class 54 Rating, Add	*58.26*	
		For Class 55 Rating, Add	*129.49*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,443.31	384.98
		For Class 52 Rating, Deduct	*-94.60*	
		For Class 54 Rating, Add	*64.50*	
		For Class 55 Rating, Add	*143.36*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,529.50	386.96
		For Class 52 Rating, Deduct	*-103.75*	
		For Class 54 Rating, Add	*70.74*	
		For Class 55 Rating, Add	*157.23*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.69	388.94
		For Class 52 Rating, Deduct	*-112.90*	
		For Class 54 Rating, Add	*76.98*	
		For Class 55 Rating, Add	*171.10*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,701.89	390.91
		For Class 52 Rating, Deduct	*-122.06*	
		For Class 54 Rating, Add	*83.22*	
		For Class 55 Rating, Add	*184.97*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,788.08	392.88
		For Class 52 Rating, Deduct	*-131.21*	
		For Class 54 Rating, Add	*89.46*	
		For Class 55 Rating, Add	*198.84*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.27	394.86
		For Class 52 Rating, Deduct	*-140.36*	
		For Class 54 Rating, Add	*95.70*	
		For Class 55 Rating, Add	*212.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.46	396.84
		For Class 52 Rating, Deduct	*-149.51*	
		For Class 54 Rating, Add	*101.94*	
		For Class 55 Rating, Add	*226.58*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,046.66	398.80
		For Class 52 Rating, Deduct	*-158.66*	
		For Class 54 Rating, Add	*108.18*	
		For Class 55 Rating, Add	*240.45*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,132.85	400.78
		For Class 52 Rating, Deduct	*-167.82*	
		For Class 54 Rating, Add	*114.42*	
		For Class 55 Rating, Add	*254.32*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,219.04	402.76
		For Class 52 Rating, Deduct	*-176.97*	
		For Class 54 Rating, Add	*120.66*	
		For Class 55 Rating, Add	*268.19*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,305.23	404.74
		For Class 52 Rating, Deduct	*-186.12*	
		For Class 54 Rating, Add	*126.90*	
		For Class 55 Rating, Add	*282.06*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.42	406.70
		For Class 52 Rating, Deduct	*-195.27*	
		For Class 54 Rating, Add	*133.14*	
		For Class 55 Rating, Add	*295.93*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,477.61	408.68
		For Class 52 Rating, Deduct	*-204.42*	
		For Class 54 Rating, Add	*139.38*	
		For Class 55 Rating, Add	*309.80*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.81	410.66
		For Class 52 Rating, Deduct	*-213.58*	
		For Class 54 Rating, Add	*145.62*	
		For Class 55 Rating, Add	*323.66*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.00	412.63
		For Class 52 Rating, Deduct	*-222.73*	
		For Class 54 Rating, Add	*151.86*	
		For Class 55 Rating, Add	*337.53*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,736.19	414.60
		For Class 52 Rating, Deduct	*-231.88*	
		For Class 54 Rating, Add	*158.10*	
		For Class 55 Rating, Add	*351.40*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.38	416.58
		For Class 52 Rating, Deduct	*-241.03*	
		For Class 54 Rating, Add	*164.34*	
		For Class 55 Rating, Add	*365.27*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,908.57	418.56
		For Class 52 Rating, Deduct	*-250.18*	
		For Class 54 Rating, Add	*170.58*	
		For Class 55 Rating, Add	*379.14*	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,994.76	420.53
		For Class 52 Rating, Deduct	*-259.34*	
		For Class 54 Rating, Add	*176.82*	
		For Class 55 Rating, Add	*393.01*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.95	422.50
		For Class 52 Rating, Deduct	*-268.49*	
		For Class 54 Rating, Add	*183.06*	
		For Class 55 Rating, Add	*406.88*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,167.14	424.48
		For Class 52 Rating, Deduct	*-277.64*	
		For Class 54 Rating, Add	*189.30*	
		For Class 55 Rating, Add	*420.75*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,253.33	426.46
		For Class 52 Rating, Deduct	*-286.79*	
		For Class 54 Rating, Add	*195.54*	
		For Class 55 Rating, Add	*434.62*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.52	428.42
		For Class 52 Rating, Deduct	*-295.94*	
		For Class 54 Rating, Add	*201.78*	
		For Class 55 Rating, Add	*448.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,425.72	430.39
		For Class 52 Rating, Deduct	*-305.10*	
		For Class 54 Rating, Add	*208.02*	
		For Class 55 Rating, Add	*462.36*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.91	432.37
		For Class 52 Rating, Deduct	*-314.25*	
		For Class 54 Rating, Add	*214.26*	
		For Class 55 Rating, Add	*476.23*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.10	434.34
		For Class 52 Rating, Deduct	*-323.40*	
		For Class 54 Rating, Add	*220.50*	
		For Class 55 Rating, Add	*490.10*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,684.29	436.32
		For Class 52 Rating, Deduct	*-332.55*	
		For Class 54 Rating, Add	*226.74*	
		For Class 55 Rating, Add	*503.97*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,770.48	438.29
		For Class 52 Rating, Deduct	*-341.70*	
		For Class 54 Rating, Add	*232.98*	
		For Class 55 Rating, Add	*517.84*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,856.67	440.27
		For Class 52 Rating, Deduct	*-350.86*	
		For Class 54 Rating, Add	*239.22*	
		For Class 55 Rating, Add	*531.71*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.86	442.24
		For Class 52 Rating, Deduct	*-360.01*	
		For Class 54 Rating, Add	*245.46*	
		For Class 55 Rating, Add	*545.58*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,029.05	444.22
		For Class 52 Rating, Deduct	*-369.16*	
		For Class 54 Rating, Add	*251.70*	
		For Class 55 Rating, Add	*559.45*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,115.24	446.19
		For Class 52 Rating, Deduct	*-378.31*	
		For Class 54 Rating, Add	*257.94*	
		For Class 55 Rating, Add	*573.31*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,201.43	448.16
		For Class 52 Rating, Deduct	*-387.46*	
		For Class 54 Rating, Add	*264.18*	
		For Class 55 Rating, Add	*587.18*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,287.63	450.14
		For Class 52 Rating, Deduct	*-396.62*	
		For Class 54 Rating, Add	*270.42*	
		For Class 55 Rating, Add	*601.05*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,373.83	452.11
		For Class 52 Rating, Deduct	*-405.77*	
		For Class 54 Rating, Add	*276.66*	
		For Class 55 Rating, Add	*614.92*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.33	427.24
		For Class 52 Rating, Deduct	*-78.76*	
		For Class 54 Rating, Add	*53.70*	
		For Class 55 Rating, Add	*119.36*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,462.33	429.21
		For Class 52 Rating, Deduct	*-89.32*	
		For Class 54 Rating, Add	*60.90*	
		For Class 55 Rating, Add	*135.36*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,561.32	431.18
		For Class 52 Rating, Deduct	*-99.88*	
		For Class 54 Rating, Add	*68.10*	
		For Class 55 Rating, Add	*151.36*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.31	433.16
		For Class 52 Rating, Deduct	*-110.44*	
		For Class 54 Rating, Add	*75.30*	
		For Class 55 Rating, Add	*167.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,759.30	435.13
		For Class 52 Rating, Deduct	*-121.00*	
		For Class 54 Rating, Add	*82.50*	
		For Class 55 Rating, Add	*183.37*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,858.29	437.10
		For Class 52 Rating, Deduct	*-131.56*	
		For Class 54 Rating, Add	*89.70*	
		For Class 55 Rating, Add	*199.37*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.28	439.08
		For Class 52 Rating, Deduct	*-142.12*	
		For Class 54 Rating, Add	*96.90*	
		For Class 55 Rating, Add	*215.38*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,056.27	441.06
		For Class 52 Rating, Deduct	*-152.68*	
		For Class 54 Rating, Add	*104.10*	
		For Class 55 Rating, Add	*231.38*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.26	443.03
		For Class 52 Rating, Deduct	*-163.24*	
		For Class 54 Rating, Add	*111.30*	
		For Class 55 Rating, Add	*247.38*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,254.25	445.00
		For Class 52 Rating, Deduct	*-173.80*	
		For Class 54 Rating, Add	*118.50*	
		For Class 55 Rating, Add	*263.39*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,353.24	446.98
		For Class 52 Rating, Deduct	*-184.36*	
		For Class 54 Rating, Add	*125.70*	
		For Class 55 Rating, Add	*279.39*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.24	448.96
		For Class 52 Rating, Deduct	*-194.92*	
		For Class 54 Rating, Add	*132.90*	
		For Class 55 Rating, Add	*295.39*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,551.23	450.93
		For Class 52 Rating, Deduct	*-205.48*	
		For Class 54 Rating, Add	*140.10*	
		For Class 55 Rating, Add	*311.40*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.22	452.90
		For Class 52 Rating, Deduct	*-216.04*	
		For Class 54 Rating, Add	*147.30*	
		For Class 55 Rating, Add	*327.40*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.21	454.88
		For Class 52 Rating, Deduct	*-226.60*	
		For Class 54 Rating, Add	*154.50*	
		For Class 55 Rating, Add	*343.40*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,848.20	456.86
		For Class 52 Rating, Deduct	*-237.16*	
		For Class 54 Rating, Add	*161.70*	
		For Class 55 Rating, Add	*359.41*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,947.19	458.82
		For Class 52 Rating, Deduct	*-247.72*	
		For Class 54 Rating, Add	*168.90*	
		For Class 55 Rating, Add	*375.41*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,046.18	460.80
		For Class 52 Rating, Deduct	*-258.28*	
		For Class 54 Rating, Add	*176.10*	
		For Class 55 Rating, Add	*391.41*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.17	462.78
		For Class 52 Rating, Deduct	*-268.84*	
		For Class 54 Rating, Add	*183.30*	
		For Class 55 Rating, Add	*407.41*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.17	464.75
		For Class 52 Rating, Deduct	*-279.40*	
		For Class 54 Rating, Add	*190.50*	
		For Class 55 Rating, Add	*423.42*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,343.16	466.72
		For Class 52 Rating, Deduct	*-289.96*	
		For Class 54 Rating, Add	*197.70*	
		For Class 55 Rating, Add	*439.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,442.15	468.70
		For Class 52 Rating, Deduct	*-300.52*	
		For Class 54 Rating, Add	*204.90*	
		For Class 55 Rating, Add	*455.42*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.15	470.68
		For Class 52 Rating, Deduct	*-311.08*	
		For Class 54 Rating, Add	*212.10*	
		For Class 55 Rating, Add	*471.43*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.14	472.65
		For Class 52 Rating, Deduct	*-321.64*	
		For Class 54 Rating, Add	*219.30*	
		For Class 55 Rating, Add	*487.43*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,739.13	474.62
		For Class 52 Rating, Deduct	*-332.20*	
		For Class 54 Rating, Add	*226.50*	
		For Class 55 Rating, Add	*503.43*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.12	476.60
		For Class 52 Rating, Deduct	*-342.76*	
		For Class 54 Rating, Add	*233.70*	
		For Class 55 Rating, Add	*519.44*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,937.11	478.58
		For Class 52 Rating, Deduct	*-353.32*	
		For Class 54 Rating, Add	*240.90*	
		For Class 55 Rating, Add	*535.44*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,036.10	480.55
		For Class 52 Rating, Deduct	*-363.88*	
		For Class 54 Rating, Add	*248.10*	
		For Class 55 Rating, Add	*551.44*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.09	482.52
		For Class 52 Rating, Deduct	*-374.44*	
		For Class 54 Rating, Add	*255.30*	
		For Class 55 Rating, Add	*567.45*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,234.08	484.50
		For Class 52 Rating, Deduct	*-385.00*	
		For Class 54 Rating, Add	*262.50*	
		For Class 55 Rating, Add	*583.45*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,333.07	486.46
		For Class 52 Rating, Deduct	*-395.56*	
		For Class 54 Rating, Add	*269.70*	
		For Class 55 Rating, Add	*599.45*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,432.06	488.44
		For Class 52 Rating, Deduct	*-406.12*	
		For Class 54 Rating, Add	*276.90*	
		For Class 55 Rating, Add	*615.46*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,531.06	490.41
		For Class 52 Rating, Deduct	*-416.68*	
		For Class 54 Rating, Add	*284.10*	
		For Class 55 Rating, Add	*631.46*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,630.05	492.39
		For Class 52 Rating, Deduct	*-427.24*	
		For Class 54 Rating, Add	*291.30*	
		For Class 55 Rating, Add	*647.46*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,729.04	494.36
		For Class 52 Rating, Deduct	*-437.80*	
		For Class 54 Rating, Add	*298.50*	
		For Class 55 Rating, Add	*663.47*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,828.03	496.34
		For Class 52 Rating, Deduct	*-448.36*	
		For Class 54 Rating, Add	*305.70*	
		For Class 55 Rating, Add	*679.47*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,927.02	498.31
		For Class 52 Rating, Deduct	*-458.92*	
		For Class 54 Rating, Add	*312.90*	
		For Class 55 Rating, Add	*695.47*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.01	500.28
		For Class 52 Rating, Deduct	*-469.48*	
		For Class 54 Rating, Add	*320.10*	
		For Class 55 Rating, Add	*711.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.06	487.65
		For Class 52 Rating, Deduct	*-92.75*	
		For Class 54 Rating, Add	*63.24*	
		For Class 55 Rating, Add	*140.56*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.46	489.63
		For Class 52 Rating, Deduct	*-104.90*	
		For Class 54 Rating, Add	*71.52*	
		For Class 55 Rating, Add	*158.97*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,808.85	491.59
		For Class 52 Rating, Deduct	*-117.04*	
		For Class 54 Rating, Add	*79.80*	
		For Class 55 Rating, Add	*177.37*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.24	493.57
		For Class 52 Rating, Deduct	*-129.18*	
		For Class 54 Rating, Add	*88.08*	
		For Class 55 Rating, Add	*195.77*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,035.63	495.55
		For Class 52 Rating, Deduct	*-141.33*	
		For Class 54 Rating, Add	*96.36*	
		For Class 55 Rating, Add	*214.18*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,149.02	497.52
		For Class 52 Rating, Deduct	*-153.47*	
		For Class 54 Rating, Add	*104.64*	
		For Class 55 Rating, Add	*232.58*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,262.41	499.49
		For Class 52 Rating, Deduct	*-165.62*	
		For Class 54 Rating, Add	*112.92*	
		For Class 55 Rating, Add	*250.98*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.80	501.47
		For Class 52 Rating, Deduct	*-177.76*	
		For Class 54 Rating, Add	*121.20*	
		For Class 55 Rating, Add	*269.39*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.20	503.45
		For Class 52 Rating, Deduct	*-189.90*	
		For Class 54 Rating, Add	*129.48*	
		For Class 55 Rating, Add	*287.79*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,602.59	505.42
		For Class 52 Rating, Deduct	*-202.05*	
		For Class 54 Rating, Add	*137.76*	
		For Class 55 Rating, Add	*306.19*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,715.98	507.39
		For Class 52 Rating, Deduct	*-214.19*	
		For Class 54 Rating, Add	*146.04*	
		For Class 55 Rating, Add	*324.60*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,829.38	509.37
		For Class 52 Rating, Deduct	*-226.34*	
		For Class 54 Rating, Add	*154.32*	
		For Class 55 Rating, Add	*343.00*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.77	511.34
		For Class 52 Rating, Deduct	*-238.48*	
		For Class 54 Rating, Add	*162.60*	
		For Class 55 Rating, Add	*361.41*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,056.16	513.32
		For Class 52 Rating, Deduct	*-250.62*	
		For Class 54 Rating, Add	*170.88*	
		For Class 55 Rating, Add	*379.81*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,169.55	515.29
		For Class 52 Rating, Deduct	*-262.77*	
		For Class 54 Rating, Add	*179.16*	
		For Class 55 Rating, Add	*398.21*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,282.94	517.27
		For Class 52 Rating, Deduct	*-274.91*	
		For Class 54 Rating, Add	*187.44*	
		For Class 55 Rating, Add	*416.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.33	519.24
		For Class 52 Rating, Deduct	*-287.06*	
		For Class 54 Rating, Add	*195.72*	
		For Class 55 Rating, Add	*435.02*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,509.72	521.22
		For Class 52 Rating, Deduct	*-299.20*	
		For Class 54 Rating, Add	*204.00*	
		For Class 55 Rating, Add	*453.42*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.11	523.19
		For Class 52 Rating, Deduct	*-311.34*	
		For Class 54 Rating, Add	*212.28*	
		For Class 55 Rating, Add	*471.83*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,736.50	525.17
		For Class 52 Rating, Deduct	*-323.49*	
		For Class 54 Rating, Add	*220.56*	
		For Class 55 Rating, Add	*490.23*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,849.89	527.14
		For Class 52 Rating, Deduct	*-335.63*	
		For Class 54 Rating, Add	*228.84*	
		For Class 55 Rating, Add	*508.64*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.29	529.12
		For Class 52 Rating, Deduct	*-347.78*	
		For Class 54 Rating, Add	*237.12*	
		For Class 55 Rating, Add	*527.04*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,076.68	531.09
		For Class 52 Rating, Deduct	*-359.92*	
		For Class 54 Rating, Add	*245.40*	
		For Class 55 Rating, Add	*545.44*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.07	533.06
		For Class 52 Rating, Deduct	*-372.06*	
		For Class 54 Rating, Add	*253.68*	
		For Class 55 Rating, Add	*563.85*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,303.46	535.04
		For Class 52 Rating, Deduct	*-384.21*	
		For Class 54 Rating, Add	*261.96*	
		For Class 55 Rating, Add	*582.25*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,416.85	537.02
		For Class 52 Rating, Deduct	*-396.35*	
		For Class 54 Rating, Add	*270.24*	
		For Class 55 Rating, Add	*600.65*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,530.24	538.99
		For Class 52 Rating, Deduct	*-408.50*	
		For Class 54 Rating, Add	*278.52*	
		For Class 55 Rating, Add	*619.06*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,643.63	540.95
		For Class 52 Rating, Deduct	*-420.64*	
		For Class 54 Rating, Add	*286.80*	
		For Class 55 Rating, Add	*637.46*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,757.02	542.93
		For Class 52 Rating, Deduct	*-432.78*	
		For Class 54 Rating, Add	*295.08*	
		For Class 55 Rating, Add	*655.86*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.41	544.90
		For Class 52 Rating, Deduct	*-444.93*	
		For Class 54 Rating, Add	*303.36*	
		For Class 55 Rating, Add	*674.27*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,983.80	546.87
		For Class 52 Rating, Deduct	*-457.07*	
		For Class 54 Rating, Add	*311.64*	
		For Class 55 Rating, Add	*692.67*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,097.20	548.85
		For Class 52 Rating, Deduct	*-469.22*	
		For Class 54 Rating, Add	*319.92*	
		For Class 55 Rating, Add	*711.08*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,210.59	550.83
		For Class 52 Rating, Deduct	*-481.36*	
		For Class 54 Rating, Add	*328.20*	
		For Class 55 Rating, Add	*729.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,323.98	552.80
		For Class 52 Rating, Deduct	*-493.50*	
		For Class 54 Rating, Add	*336.48*	
		For Class 55 Rating, Add	*747.88*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,437.37	554.77
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*344.76*	
		For Class 55 Rating, Add	*766.29*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,550.77	556.75
		For Class 52 Rating, Deduct	*-517.79*	
		For Class 54 Rating, Add	*353.04*	
		For Class 55 Rating, Add	*784.69*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,664.16	558.73
		For Class 52 Rating, Deduct	*-529.94*	
		For Class 54 Rating, Add	*361.32*	
		For Class 55 Rating, Add	*803.09*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,777.55	560.70
		For Class 52 Rating, Deduct	*-542.08*	
		For Class 54 Rating, Add	*369.60*	
		For Class 55 Rating, Add	*821.50*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.28	576.49
		For Class 52 Rating, Deduct	*-115.81*	
		For Class 54 Rating, Add	*78.96*	
		For Class 55 Rating, Add	*175.50*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.07	578.47
		For Class 52 Rating, Deduct	*-130.86*	
		For Class 54 Rating, Add	*89.22*	
		For Class 55 Rating, Add	*198.31*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.86	580.45
		For Class 52 Rating, Deduct	*-145.90*	
		For Class 54 Rating, Add	*99.48*	
		For Class 55 Rating, Add	*221.11*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,345.65	582.42
		For Class 52 Rating, Deduct	*-160.95*	
		For Class 54 Rating, Add	*109.74*	
		For Class 55 Rating, Add	*243.92*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,485.44	584.39
		For Class 52 Rating, Deduct	*-176.00*	
		For Class 54 Rating, Add	*120.00*	
		For Class 55 Rating, Add	*266.72*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,625.23	586.37
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*130.26*	
		For Class 55 Rating, Add	*289.52*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.02	588.35
		For Class 52 Rating, Deduct	*-206.10*	
		For Class 54 Rating, Add	*140.52*	
		For Class 55 Rating, Add	*312.33*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.82	590.32
		For Class 52 Rating, Deduct	*-221.14*	
		For Class 54 Rating, Add	*150.78*	
		For Class 55 Rating, Add	*335.13*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,044.61	592.29
		For Class 52 Rating, Deduct	*-236.19*	
		For Class 54 Rating, Add	*161.04*	
		For Class 55 Rating, Add	*357.94*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.40	594.27
		For Class 52 Rating, Deduct	*-251.24*	
		For Class 54 Rating, Add	*171.30*	
		For Class 55 Rating, Add	*380.74*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.19	596.24
		For Class 52 Rating, Deduct	*-266.29*	
		For Class 54 Rating, Add	*181.56*	
		For Class 55 Rating, Add	*403.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.98	598.21
		For Class 52 Rating, Deduct	*-281.34*	
		For Class 54 Rating, Add	*191.82*	
		For Class 55 Rating, Add	*426.35*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,603.77	600.18
		For Class 52 Rating, Deduct	*-296.38*	
		For Class 54 Rating, Add	*202.08*	
		For Class 55 Rating, Add	*449.16*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,743.56	602.16
		For Class 52 Rating, Deduct	*-311.43*	
		For Class 54 Rating, Add	*212.34*	
		For Class 55 Rating, Add	*471.96*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,883.35	604.13
		For Class 52 Rating, Deduct	*-326.48*	
		For Class 54 Rating, Add	*222.60*	
		For Class 55 Rating, Add	*494.77*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,023.14	606.11
		For Class 52 Rating, Deduct	*-341.53*	
		For Class 54 Rating, Add	*232.86*	
		For Class 55 Rating, Add	*517.57*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,162.93	608.08
		For Class 52 Rating, Deduct	*-356.58*	
		For Class 54 Rating, Add	*243.12*	
		For Class 55 Rating, Add	*540.37*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,302.74	610.05
		For Class 52 Rating, Deduct	*-371.62*	
		For Class 54 Rating, Add	*253.38*	
		For Class 55 Rating, Add	*563.18*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,442.53	612.03
		For Class 52 Rating, Deduct	*-386.67*	
		For Class 54 Rating, Add	*263.64*	
		For Class 55 Rating, Add	*585.98*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,582.32	614.01
		For Class 52 Rating, Deduct	*-401.72*	
		For Class 54 Rating, Add	*273.90*	
		For Class 55 Rating, Add	*608.79*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,722.11	615.98
		For Class 52 Rating, Deduct	*-416.77*	
		For Class 54 Rating, Add	*284.16*	
		For Class 55 Rating, Add	*631.59*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,861.90	617.95
		For Class 52 Rating, Deduct	*-431.82*	
		For Class 54 Rating, Add	*294.42*	
		For Class 55 Rating, Add	*654.40*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,001.69	619.93
		For Class 52 Rating, Deduct	*-446.86*	
		For Class 54 Rating, Add	*304.68*	
		For Class 55 Rating, Add	*677.20*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.48	621.91
		For Class 52 Rating, Deduct	*-461.91*	
		For Class 54 Rating, Add	*314.94*	
		For Class 55 Rating, Add	*700.01*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.27	623.88
		For Class 52 Rating, Deduct	*-476.96*	
		For Class 54 Rating, Add	*325.20*	
		For Class 55 Rating, Add	*722.81*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,421.06	625.85
		For Class 52 Rating, Deduct	*-492.01*	
		For Class 54 Rating, Add	*335.46*	
		For Class 55 Rating, Add	*745.62*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,560.85	627.83
		For Class 52 Rating, Deduct	*-507.06*	
		For Class 54 Rating, Add	*345.72*	
		For Class 55 Rating, Add	*768.42*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.65	629.80
		For Class 52 Rating, Deduct	*-522.10*	
		For Class 54 Rating, Add	*355.98*	
		For Class 55 Rating, Add	*791.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,840.44	631.77
		For Class 52 Rating, Deduct	*-537.15*	
		For Class 54 Rating, Add	*366.24*	
		For Class 55 Rating, Add	*814.03*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,031.08	667.31
		For Class 52 Rating, Deduct	*-552.20*	
		For Class 54 Rating, Add	*376.50*	
		For Class 55 Rating, Add	*836.83*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,170.88	669.28
		For Class 52 Rating, Deduct	*-567.25*	
		For Class 54 Rating, Add	*386.76*	
		For Class 55 Rating, Add	*859.64*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,310.67	671.26
		For Class 52 Rating, Deduct	*-582.30*	
		For Class 54 Rating, Add	*397.02*	
		For Class 55 Rating, Add	*882.44*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.46	673.24
		For Class 52 Rating, Deduct	*-597.34*	
		For Class 54 Rating, Add	*407.28*	
		For Class 55 Rating, Add	*905.25*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,590.25	675.21
		For Class 52 Rating, Deduct	*-612.39*	
		For Class 54 Rating, Add	*417.54*	
		For Class 55 Rating, Add	*928.05*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,730.04	677.18
		For Class 52 Rating, Deduct	*-627.44*	
		For Class 54 Rating, Add	*427.80*	
		For Class 55 Rating, Add	*950.86*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,869.83	679.16
		For Class 52 Rating, Deduct	*-642.49*	
		For Class 54 Rating, Add	*438.06*	
		For Class 55 Rating, Add	*973.66*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,009.62	681.13
		For Class 52 Rating, Deduct	*-657.54*	
		For Class 54 Rating, Add	*448.32*	
		For Class 55 Rating, Add	*996.47*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,149.41	683.11
		For Class 52 Rating, Deduct	*-672.58*	
		For Class 54 Rating, Add	*458.58*	
		For Class 55 Rating, Add	*1,019.27*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.44	813.42
		For Class 52 Rating, Deduct	*-183.04*	
		For Class 54 Rating, Add	*124.80*	
		For Class 55 Rating, Add	*277.39*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,097.03	815.39
		For Class 52 Rating, Deduct	*-204.78*	
		For Class 54 Rating, Add	*139.62*	
		For Class 55 Rating, Add	*310.33*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,297.62	817.36
		For Class 52 Rating, Deduct	*-226.51*	
		For Class 54 Rating, Add	*154.44*	
		For Class 55 Rating, Add	*343.27*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,498.21	819.34
		For Class 52 Rating, Deduct	*-248.25*	
		For Class 54 Rating, Add	*169.26*	
		For Class 55 Rating, Add	*376.21*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,698.81	821.32
		For Class 52 Rating, Deduct	*-269.98*	
		For Class 54 Rating, Add	*184.08*	
		For Class 55 Rating, Add	*409.15*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,899.40	823.29
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*198.90*	
		For Class 55 Rating, Add	*442.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,099.99	825.26
		For Class 52 Rating, Deduct	*-313.46*	
		For Class 54 Rating, Add	*213.72*	
		For Class 55 Rating, Add	*475.03*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,300.58	827.23
		For Class 52 Rating, Deduct	*-335.19*	
		For Class 54 Rating, Add	*228.54*	
		For Class 55 Rating, Add	*507.97*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,501.18	829.20
		For Class 52 Rating, Deduct	*-356.93*	
		For Class 54 Rating, Add	*243.36*	
		For Class 55 Rating, Add	*540.91*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,701.77	831.17
		For Class 52 Rating, Deduct	*-378.66*	
		For Class 54 Rating, Add	*258.18*	
		For Class 55 Rating, Add	*573.85*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,902.36	833.15
		For Class 52 Rating, Deduct	*-400.40*	
		For Class 54 Rating, Add	*273.00*	
		For Class 55 Rating, Add	*606.79*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.95	835.13
		For Class 52 Rating, Deduct	*-422.14*	
		For Class 54 Rating, Add	*287.82*	
		For Class 55 Rating, Add	*639.73*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.54	837.10
		For Class 52 Rating, Deduct	*-443.87*	
		For Class 54 Rating, Add	*302.64*	
		For Class 55 Rating, Add	*672.67*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,504.13	839.07
		For Class 52 Rating, Deduct	*-465.61*	
		For Class 54 Rating, Add	*317.46*	
		For Class 55 Rating, Add	*705.61*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,704.72	841.05
		For Class 52 Rating, Deduct	*-487.34*	
		For Class 54 Rating, Add	*332.28*	
		For Class 55 Rating, Add	*738.55*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,905.31	843.02
		For Class 52 Rating, Deduct	*-509.08*	
		For Class 54 Rating, Add	*347.10*	
		For Class 55 Rating, Add	*771.49*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,105.90	845.00
		For Class 52 Rating, Deduct	*-530.82*	
		For Class 54 Rating, Add	*361.92*	
		For Class 55 Rating, Add	*804.43*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,306.49	846.97
		For Class 52 Rating, Deduct	*-552.55*	
		For Class 54 Rating, Add	*376.74*	
		For Class 55 Rating, Add	*837.37*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,507.09	848.95
		For Class 52 Rating, Deduct	*-574.29*	
		For Class 54 Rating, Add	*391.56*	
		For Class 55 Rating, Add	*870.31*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,707.68	850.92
		For Class 52 Rating, Deduct	*-596.02*	
		For Class 54 Rating, Add	*406.38*	
		For Class 55 Rating, Add	*903.25*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,908.27	852.90
		For Class 52 Rating, Deduct	*-617.76*	
		For Class 54 Rating, Add	*421.20*	
		For Class 55 Rating, Add	*936.19*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,108.86	854.87
		For Class 52 Rating, Deduct	*-639.50*	
		For Class 54 Rating, Add	*436.02*	
		For Class 55 Rating, Add	*969.13*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,309.45	856.84
		For Class 52 Rating, Deduct	*-661.23*	
		For Class 54 Rating, Add	*450.84*	
		For Class 55 Rating, Add	*1,002.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,510.04	858.82
		For Class 52 Rating, Deduct	*-682.97*	
		For Class 54 Rating, Add	*465.66*	
		For Class 55 Rating, Add	*1,035.01*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,710.63	860.80
		For Class 52 Rating, Deduct	*-704.70*	
		For Class 54 Rating, Add	*480.48*	
		For Class 55 Rating, Add	*1,067.95*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,911.22	862.77
		For Class 52 Rating, Deduct	*-726.44*	
		For Class 54 Rating, Add	*495.30*	
		For Class 55 Rating, Add	*1,100.89*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,111.81	864.74
		For Class 52 Rating, Deduct	*-748.18*	
		For Class 54 Rating, Add	*510.12*	
		For Class 55 Rating, Add	*1,133.83*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,312.40	866.72
		For Class 52 Rating, Deduct	*-769.91*	
		For Class 54 Rating, Add	*524.94*	
		For Class 55 Rating, Add	*1,166.77*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,513.00	868.70
		For Class 52 Rating, Deduct	*-791.65*	
		For Class 54 Rating, Add	*539.76*	
		For Class 55 Rating, Add	*1,199.71*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,713.59	870.67
		For Class 52 Rating, Deduct	*-813.38*	
		For Class 54 Rating, Add	*554.58*	
		For Class 55 Rating, Add	*1,232.65*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,914.18	872.64
		For Class 52 Rating, Deduct	*-835.12*	
		For Class 54 Rating, Add	*569.40*	
		For Class 55 Rating, Add	*1,265.59*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,114.78	874.62
		For Class 52 Rating, Deduct	*-856.86*	
		For Class 54 Rating, Add	*584.22*	
		For Class 55 Rating, Add	*1,298.53*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.37	876.60
		For Class 52 Rating, Deduct	*-878.59*	
		For Class 54 Rating, Add	*599.04*	
		For Class 55 Rating, Add	*1,331.47*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,515.96	878.56
		For Class 52 Rating, Deduct	*-900.33*	
		For Class 54 Rating, Add	*613.86*	
		For Class 55 Rating, Add	*1,364.41*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,716.55	880.54
		For Class 52 Rating, Deduct	*-922.06*	
		For Class 54 Rating, Add	*628.68*	
		For Class 55 Rating, Add	*1,397.35*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,917.14	882.51
		For Class 52 Rating, Deduct	*-943.80*	
		For Class 54 Rating, Add	*643.50*	
		For Class 55 Rating, Add	*1,430.29*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,117.73	884.49
		For Class 52 Rating, Deduct	*-965.54*	
		For Class 54 Rating, Add	*658.32*	
		For Class 55 Rating, Add	*1,463.23*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,318.32	886.45
		For Class 52 Rating, Deduct	*-987.27*	
		For Class 54 Rating, Add	*673.14*	
		For Class 55 Rating, Add	*1,496.17*	
40 05 19 00-1463		36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,931.09	1,030.59
		For Class 52 Rating, Deduct	*-260.66*	
		For Class 54 Rating, Add	*177.72*	
		For Class 55 Rating, Add	*395.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,202.89	1,032.56
		For Class 52 Rating, Deduct	*-290.22*	
		For Class 54 Rating, Add	*197.88*	
		For Class 55 Rating, Add	*439.82*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,474.68	1,034.53
		For Class 52 Rating, Deduct	*-319.79*	
		For Class 54 Rating, Add	*218.04*	
		For Class 55 Rating, Add	*484.63*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,746.47	1,036.51
		For Class 52 Rating, Deduct	*-349.36*	
		For Class 54 Rating, Add	*238.20*	
		For Class 55 Rating, Add	*529.44*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,018.26	1,038.49
		For Class 52 Rating, Deduct	*-378.93*	
		For Class 54 Rating, Add	*258.36*	
		For Class 55 Rating, Add	*574.25*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,290.05	1,040.45
		For Class 52 Rating, Deduct	*-408.50*	
		For Class 54 Rating, Add	*278.52*	
		For Class 55 Rating, Add	*619.06*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,561.84	1,042.43
		For Class 52 Rating, Deduct	*-438.06*	
		For Class 54 Rating, Add	*298.68*	
		For Class 55 Rating, Add	*663.87*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,833.63	1,044.41
		For Class 52 Rating, Deduct	*-467.63*	
		For Class 54 Rating, Add	*318.84*	
		For Class 55 Rating, Add	*708.68*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,105.42	1,046.39
		For Class 52 Rating, Deduct	*-497.20*	
		For Class 54 Rating, Add	*339.00*	
		For Class 55 Rating, Add	*753.48*	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,377.22	1,048.35
		For Class 52 Rating, Deduct	*-526.77*	
		For Class 54 Rating, Add	*359.16*	
		For Class 55 Rating, Add	*798.29*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,649.01	1,050.33
		For Class 52 Rating, Deduct	*-556.34*	
		For Class 54 Rating, Add	*379.32*	
		For Class 55 Rating, Add	*843.10*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,920.80	1,052.31
		For Class 52 Rating, Deduct	*-585.90*	
		For Class 54 Rating, Add	*399.48*	
		For Class 55 Rating, Add	*887.91*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,192.59	1,054.27
		For Class 52 Rating, Deduct	*-615.47*	
		For Class 54 Rating, Add	*419.64*	
		For Class 55 Rating, Add	*932.72*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,464.38	1,056.24
		For Class 52 Rating, Deduct	*-645.04*	
		For Class 54 Rating, Add	*439.80*	
		For Class 55 Rating, Add	*977.53*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,736.17	1,058.22
		For Class 52 Rating, Deduct	*-674.61*	
		For Class 54 Rating, Add	*459.96*	
		For Class 55 Rating, Add	*1,022.34*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,007.96	1,060.20
		For Class 52 Rating, Deduct	*-704.18*	
		For Class 54 Rating, Add	*480.12*	
		For Class 55 Rating, Add	*1,067.15*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,279.75	1,062.17
		For Class 52 Rating, Deduct	*-733.74*	
		For Class 54 Rating, Add	*500.28*	
		For Class 55 Rating, Add	*1,111.96*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,551.54	1,064.14
		For Class 52 Rating, Deduct	*-763.31*	
		For Class 54 Rating, Add	*520.44*	
		For Class 55 Rating, Add	*1,156.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,823.33	1,066.12
		For Class 52 Rating, Deduct	*-792.88*	
		For Class 54 Rating, Add	*540.60*	
		For Class 55 Rating, Add	*1,201.57*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,095.13	1,068.10
		For Class 52 Rating, Deduct	*-822.45*	
		For Class 54 Rating, Add	*560.76*	
		For Class 55 Rating, Add	*1,246.38*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,366.92	1,070.07
		For Class 52 Rating, Deduct	*-852.02*	
		For Class 54 Rating, Add	*580.92*	
		For Class 55 Rating, Add	*1,291.19*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,638.71	1,072.04
		For Class 52 Rating, Deduct	*-881.58*	
		For Class 54 Rating, Add	*601.08*	
		For Class 55 Rating, Add	*1,336.00*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,910.50	1,074.02
		For Class 52 Rating, Deduct	*-911.15*	
		For Class 54 Rating, Add	*621.24*	
		For Class 55 Rating, Add	*1,380.81*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,182.29	1,075.99
		For Class 52 Rating, Deduct	*-940.72*	
		For Class 54 Rating, Add	*641.40*	
		For Class 55 Rating, Add	*1,425.62*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,454.08	1,077.97
		For Class 52 Rating, Deduct	*-970.29*	
		For Class 54 Rating, Add	*661.56*	
		For Class 55 Rating, Add	*1,470.43*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,725.87	1,079.94
		For Class 52 Rating, Deduct	*-999.86*	
		For Class 54 Rating, Add	*681.72*	
		For Class 55 Rating, Add	*1,515.24*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,997.66	1,081.92
		For Class 52 Rating, Deduct	*-1,029.42*	
		For Class 54 Rating, Add	*701.88*	
		For Class 55 Rating, Add	*1,560.05*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,269.45	1,083.89
		For Class 52 Rating, Deduct	*-1,058.99*	
		For Class 54 Rating, Add	*722.04*	
		For Class 55 Rating, Add	*1,604.85*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,541.24	1,085.87
		For Class 52 Rating, Deduct	*-1,088.56*	
		For Class 54 Rating, Add	*742.20*	
		For Class 55 Rating, Add	*1,649.66*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,813.05	1,087.84
		For Class 52 Rating, Deduct	*-1,118.13*	
		For Class 54 Rating, Add	*762.36*	
		For Class 55 Rating, Add	*1,694.47*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,084.84	1,089.81
		For Class 52 Rating, Deduct	*-1,147.70*	
		For Class 54 Rating, Add	*782.52*	
		For Class 55 Rating, Add	*1,739.28*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,356.63	1,091.79
		For Class 52 Rating, Deduct	*-1,177.26*	
		For Class 54 Rating, Add	*802.68*	
		For Class 55 Rating, Add	*1,784.09*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,628.42	1,093.76
		For Class 52 Rating, Deduct	*-1,206.83*	
		For Class 54 Rating, Add	*822.84*	
		For Class 55 Rating, Add	*1,828.90*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,900.21	1,095.74
		For Class 52 Rating, Deduct	*-1,236.40*	
		For Class 54 Rating, Add	*843.00*	
		For Class 55 Rating, Add	*1,873.71*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,172.00	1,097.71
		For Class 52 Rating, Deduct	*-1,265.97*	
		For Class 54 Rating, Add	*863.16*	
		For Class 55 Rating, Add	*1,918.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,443.79	1,099.69
		For Class 52 Rating, Deduct	*-1,295.54*	
		For Class 54 Rating, Add	*883.32*	
		For Class 55 Rating, Add	*1,963.33*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,715.58	1,101.66
		For Class 52 Rating, Deduct	*-1,325.10*	
		For Class 54 Rating, Add	*903.48*	
		For Class 55 Rating, Add	*2,008.13*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,987.37	1,103.63
		For Class 52 Rating, Deduct	*-1,354.67*	
		For Class 54 Rating, Add	*923.64*	
		For Class 55 Rating, Add	*2,052.94*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,145.12	1,299.09
		For Class 52 Rating, Deduct	*-349.45*	
		For Class 54 Rating, Add	*238.26*	
		For Class 55 Rating, Add	*529.57*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,549.71	1,301.06
		For Class 52 Rating, Deduct	*-393.62*	
		For Class 54 Rating, Add	*268.38*	
		For Class 55 Rating, Add	*596.52*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,949.50	1,303.03
		For Class 52 Rating, Deduct	*-437.27*	
		For Class 54 Rating, Add	*298.14*	
		For Class 55 Rating, Add	*662.67*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,353.29	1,305.01
		For Class 52 Rating, Deduct	*-481.36*	
		For Class 54 Rating, Add	*328.20*	
		For Class 55 Rating, Add	*729.48*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,753.09	1,306.99
		For Class 52 Rating, Deduct	*-525.01*	
		For Class 54 Rating, Add	*357.96*	
		For Class 55 Rating, Add	*795.63*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,157.68	1,308.96
		For Class 52 Rating, Deduct	*-569.18*	
		For Class 54 Rating, Add	*388.08*	
		For Class 55 Rating, Add	*862.57*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,556.67	1,310.93
		For Class 52 Rating, Deduct	*-612.74*	
		For Class 54 Rating, Add	*417.78*	
		For Class 55 Rating, Add	*928.59*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,961.26	1,312.91
		For Class 52 Rating, Deduct	*-656.92*	
		For Class 54 Rating, Add	*447.90*	
		For Class 55 Rating, Add	*995.53*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,361.05	1,314.89
		For Class 52 Rating, Deduct	*-700.57*	
		For Class 54 Rating, Add	*477.66*	
		For Class 55 Rating, Add	*1,061.68*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,764.84	1,316.86
		For Class 52 Rating, Deduct	*-744.66*	
		For Class 54 Rating, Add	*507.72*	
		For Class 55 Rating, Add	*1,128.49*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,164.63	1,318.83
		For Class 52 Rating, Deduct	*-788.30*	
		For Class 54 Rating, Add	*537.48*	
		For Class 55 Rating, Add	*1,194.64*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,568.42	1,320.81
		For Class 52 Rating, Deduct	*-832.39*	
		For Class 54 Rating, Add	*567.54*	
		For Class 55 Rating, Add	*1,261.45*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,968.21	1,322.78
		For Class 52 Rating, Deduct	*-876.04*	
		For Class 54 Rating, Add	*597.30*	
		For Class 55 Rating, Add	*1,327.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,368.80	1,324.76
		For Class 52 Rating, Deduct	*-919.78*	
		For Class 54 Rating, Add	*627.12*	
		For Class 55 Rating, Add	*1,393.88*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,771.79	1,326.73
		For Class 52 Rating, Deduct	*-963.78*	
		For Class 54 Rating, Add	*657.12*	
		For Class 55 Rating, Add	*1,460.56*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,171.59	1,328.71
		For Class 52 Rating, Deduct	*-1,007.42*	
		For Class 54 Rating, Add	*686.88*	
		For Class 55 Rating, Add	*1,526.71*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,576.18	1,330.68
		For Class 52 Rating, Deduct	*-1,051.60*	
		For Class 54 Rating, Add	*717.00*	
		For Class 55 Rating, Add	*1,593.65*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,975.97	1,332.66
		For Class 52 Rating, Deduct	*-1,095.25*	
		For Class 54 Rating, Add	*746.76*	
		For Class 55 Rating, Add	*1,659.80*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,379.76	1,334.63
		For Class 52 Rating, Deduct	*-1,139.34*	
		For Class 54 Rating, Add	*776.82*	
		For Class 55 Rating, Add	*1,726.61*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,779.55	1,336.59
		For Class 52 Rating, Deduct	*-1,182.98*	
		For Class 54 Rating, Add	*806.58*	
		For Class 55 Rating, Add	*1,792.76*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,184.14	1,338.57
		For Class 52 Rating, Deduct	*-1,227.16*	
		For Class 54 Rating, Add	*836.70*	
		For Class 55 Rating, Add	*1,859.71*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,583.93	1,340.55
		For Class 52 Rating, Deduct	*-1,270.81*	
		For Class 54 Rating, Add	*866.46*	
		For Class 55 Rating, Add	*1,925.85*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,987.72	1,342.52
		For Class 52 Rating, Deduct	*-1,314.90*	
		For Class 54 Rating, Add	*896.52*	
		For Class 55 Rating, Add	*1,992.67*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,387.51	1,344.49
		For Class 52 Rating, Deduct	*-1,358.54*	
		For Class 54 Rating, Add	*926.28*	
		For Class 55 Rating, Add	*2,058.81*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,792.10	1,346.47
		For Class 52 Rating, Deduct	*-1,402.72*	
		For Class 54 Rating, Add	*956.40*	
		For Class 55 Rating, Add	*2,125.76*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,191.90	1,348.45
		For Class 52 Rating, Deduct	*-1,446.37*	
		For Class 54 Rating, Add	*986.16*	
		For Class 55 Rating, Add	*2,191.90*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,594.90	1,350.41
		For Class 52 Rating, Deduct	*-1,490.37*	
		For Class 54 Rating, Add	*1,016.16*	
		For Class 55 Rating, Add	*2,258.58*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,995.49	1,352.39
		For Class 52 Rating, Deduct	*-1,534.10*	
		For Class 54 Rating, Add	*1,045.98*	
		For Class 55 Rating, Add	*2,324.86*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,315.28	1,354.37
		For Class 52 Rating, Deduct	*-1,568.95*	
		For Class 54 Rating, Add	*1,069.74*	
		For Class 55 Rating, Add	*2,377.68*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,799.07	1,356.34
		For Class 52 Rating, Deduct	*-1,621.84*	
		For Class 54 Rating, Add	*1,105.80*	
		For Class 55 Rating, Add	*2,457.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,198.86	1,358.31
		For Class 52 Rating, Deduct	*-1,665.49*	
		For Class 54 Rating, Add	*1,135.56*	
		For Class 55 Rating, Add	*2,523.97*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,602.65	1,360.29
		For Class 52 Rating, Deduct	*-1,709.58*	
		For Class 54 Rating, Add	*1,165.62*	
		For Class 55 Rating, Add	*2,590.78*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,002.44	1,362.27
		For Class 52 Rating, Deduct	*-1,753.22*	
		For Class 54 Rating, Add	*1,195.38*	
		For Class 55 Rating, Add	*2,656.93*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,407.03	1,364.24
		For Class 52 Rating, Deduct	*-1,797.40*	
		For Class 54 Rating, Add	*1,225.50*	
		For Class 55 Rating, Add	*2,723.88*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,806.02	1,366.21
		For Class 52 Rating, Deduct	*-1,840.96*	
		For Class 54 Rating, Add	*1,255.20*	
		For Class 55 Rating, Add	*2,789.89*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,210.62	1,368.19
		For Class 52 Rating, Deduct	*-1,885.14*	
		For Class 54 Rating, Add	*1,285.32*	
		For Class 55 Rating, Add	*2,856.84*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,610.41	1,370.17
		For Class 52 Rating, Deduct	*-1,928.78*	
		For Class 54 Rating, Add	*1,315.08*	
		For Class 55 Rating, Add	*2,922.98*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,014.20	1,372.14
		For Class 52 Rating, Deduct	*-1,972.87*	
		For Class 54 Rating, Add	*1,345.14*	
		For Class 55 Rating, Add	*2,989.80*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,605.06	1,632.74
		For Class 52 Rating, Deduct	*-454.43*	
		For Class 54 Rating, Add	*309.84*	
		For Class 55 Rating, Add	*688.67*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,192.85	1,634.72
		For Class 52 Rating, Deduct	*-518.76*	
		For Class 54 Rating, Add	*353.70*	
		For Class 55 Rating, Add	*786.16*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,779.84	1,636.69
		For Class 52 Rating, Deduct	*-583.00*	
		For Class 54 Rating, Add	*397.50*	
		For Class 55 Rating, Add	*883.51*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,371.63	1,638.67
		For Class 52 Rating, Deduct	*-647.77*	
		For Class 54 Rating, Add	*441.66*	
		For Class 55 Rating, Add	*981.66*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,959.42	1,640.64
		For Class 52 Rating, Deduct	*-712.10*	
		For Class 54 Rating, Add	*485.52*	
		For Class 55 Rating, Add	*1,079.15*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,547.21	1,642.62
		For Class 52 Rating, Deduct	*-776.42*	
		For Class 54 Rating, Add	*529.38*	
		For Class 55 Rating, Add	*1,176.64*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,138.20	1,644.59
		For Class 52 Rating, Deduct	*-841.10*	
		For Class 54 Rating, Add	*573.48*	
		For Class 55 Rating, Add	*1,274.65*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,726.80	1,646.56
		For Class 52 Rating, Deduct	*-905.52*	
		For Class 54 Rating, Add	*617.40*	
		For Class 55 Rating, Add	*1,372.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,313.79	1,648.54
		For Class 52 Rating, Deduct	*-969.76*	
		For Class 54 Rating, Add	*661.20*	
		For Class 55 Rating, Add	*1,469.63*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,905.58	1,650.51
		For Class 52 Rating, Deduct	*-1,034.53*	
		For Class 54 Rating, Add	*705.36*	
		For Class 55 Rating, Add	*1,567.78*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,493.37	1,652.49
		For Class 52 Rating, Deduct	*-1,098.86*	
		For Class 54 Rating, Add	*749.22*	
		For Class 55 Rating, Add	*1,665.27*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,085.16	1,654.46
		For Class 52 Rating, Deduct	*-1,163.62*	
		For Class 54 Rating, Add	*793.38*	
		For Class 55 Rating, Add	*1,763.42*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,672.15	1,656.44
		For Class 52 Rating, Deduct	*-1,227.86*	
		For Class 54 Rating, Add	*837.18*	
		For Class 55 Rating, Add	*1,860.77*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,259.94	1,658.41
		For Class 52 Rating, Deduct	*-1,292.19*	
		For Class 54 Rating, Add	*881.04*	
		For Class 55 Rating, Add	*1,958.26*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,851.73	1,660.39
		For Class 52 Rating, Deduct	*-1,356.96*	
		For Class 54 Rating, Add	*925.20*	
		For Class 55 Rating, Add	*2,056.41*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,439.52	1,662.36
		For Class 52 Rating, Deduct	*-1,421.29*	
		For Class 54 Rating, Add	*969.06*	
		For Class 55 Rating, Add	*2,153.90*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,026.51	1,664.34
		For Class 52 Rating, Deduct	*-1,485.53*	
		For Class 54 Rating, Add	*1,012.86*	
		For Class 55 Rating, Add	*2,251.25*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,618.31	1,666.31
		For Class 52 Rating, Deduct	*-1,550.30*	
		For Class 54 Rating, Add	*1,057.02*	
		For Class 55 Rating, Add	*2,349.40*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,206.11	1,668.28
		For Class 52 Rating, Deduct	*-1,614.62*	
		For Class 54 Rating, Add	*1,100.88*	
		For Class 55 Rating, Add	*2,446.89*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,793.10	1,670.26
		For Class 52 Rating, Deduct	*-1,678.86*	
		For Class 54 Rating, Add	*1,144.68*	
		For Class 55 Rating, Add	*2,544.24*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,384.89	1,672.24
		For Class 52 Rating, Deduct	*-1,743.63*	
		For Class 54 Rating, Add	*1,188.84*	
		For Class 55 Rating, Add	*2,642.40*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,973.48	1,674.21
		For Class 52 Rating, Deduct	*-1,808.05*	
		For Class 54 Rating, Add	*1,232.76*	
		For Class 55 Rating, Add	*2,740.01*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,560.47	1,676.18
		For Class 52 Rating, Deduct	*-1,872.29*	
		For Class 54 Rating, Add	*1,276.56*	
		For Class 55 Rating, Add	*2,837.37*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,152.26	1,678.16
		For Class 52 Rating, Deduct	*-1,937.06*	
		For Class 54 Rating, Add	*1,320.72*	
		For Class 55 Rating, Add	*2,935.52*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,740.05	1,680.13
		For Class 52 Rating, Deduct	*-2,001.38*	
		For Class 54 Rating, Add	*1,364.58*	
		For Class 55 Rating, Add	*3,033.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,327.04	1,682.09
		For Class 52 Rating, Deduct	*-2,065.62*	
		For Class 54 Rating, Add	*1,408.38*	
		For Class 55 Rating, Add	*3,130.36*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,918.83	1,684.07
		For Class 52 Rating, Deduct	*-2,130.39*	
		For Class 54 Rating, Add	*1,452.54*	
		For Class 55 Rating, Add	*3,228.51*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,506.62	1,686.05
		For Class 52 Rating, Deduct	*-2,194.72*	
		For Class 54 Rating, Add	*1,496.40*	
		For Class 55 Rating, Add	*3,326.00*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,022.42	1,688.03
		For Class 52 Rating, Deduct	*-2,251.13*	
		For Class 54 Rating, Add	*1,534.86*	
		For Class 55 Rating, Add	*3,411.48*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,686.21	1,689.99
		For Class 52 Rating, Deduct	*-2,323.82*	
		For Class 54 Rating, Add	*1,584.42*	
		For Class 55 Rating, Add	*3,521.64*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,273.20	1,691.97
		For Class 52 Rating, Deduct	*-2,388.06*	
		For Class 54 Rating, Add	*1,628.22*	
		For Class 55 Rating, Add	*3,618.99*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,865.79	1,693.95
		For Class 52 Rating, Deduct	*-2,452.91*	
		For Class 54 Rating, Add	*1,672.44*	
		For Class 55 Rating, Add	*3,717.28*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,452.78	1,695.92
		For Class 52 Rating, Deduct	*-2,517.15*	
		For Class 54 Rating, Add	*1,716.24*	
		For Class 55 Rating, Add	*3,814.63*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,039.77	1,697.89
		For Class 52 Rating, Deduct	*-2,581.39*	
		For Class 54 Rating, Add	*1,760.04*	
		For Class 55 Rating, Add	*3,911.98*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,632.36	1,699.87
		For Class 52 Rating, Deduct	*-2,646.25*	
		For Class 54 Rating, Add	*1,804.26*	
		For Class 55 Rating, Add	*4,010.27*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,219.35	1,701.85
		For Class 52 Rating, Deduct	*-2,710.49*	
		For Class 54 Rating, Add	*1,848.06*	
		For Class 55 Rating, Add	*4,107.62*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,807.14	1,703.82
		For Class 52 Rating, Deduct	*-2,774.82*	
		For Class 54 Rating, Add	*1,891.92*	
		For Class 55 Rating, Add	*4,205.11*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,398.93	1,705.79
		For Class 52 Rating, Deduct	*-2,839.58*	
		For Class 54 Rating, Add	*1,936.08*	
		For Class 55 Rating, Add	*4,303.26*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	253.92	95.25
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	354.16	121.81
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	488.24	137.97
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	708.23	174.92
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	871.48	193.97
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,079.25	210.71
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,329.60	259.77
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,737.92	311.73
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,142.77	392.55
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,225.49	444.51
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,388.96	588.82
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,601.44	666.75
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,651.36	762.01
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,827.36	935.19

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	241.92	95.25
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	334.96	121.81
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	439.44	137.97
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	637.83	174.92
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	781.88	193.97
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	896.85	210.71
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,128.00	259.77
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,466.72	311.73
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,895.57	392.55
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,479.89	444.51
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,843.36	588.82
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,203.04	666.75
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	10,938.56	762.01
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,889.76	935.19
40 05 19 00-1610		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	241.12	95.25
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	328.56	121.81
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	433.84	137.97
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	621.83	174.92
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	817.08	193.97
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,008.05	210.71
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,152.80	259.77
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,497.12	311.73
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,027.57	392.55
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,780.69	444.51
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,896.96	588.82
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	7,326.24	666.75
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	11,184.16	762.01
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,209.76	935.19
40 05 19 00-1625		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	261.12	95.25
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	366.16	121.81
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	449.84	137.97
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	678.63	174.92
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	921.88	193.97
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,035.25	210.71
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,266.40	259.77
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,497.12	311.73
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,027.57	392.55
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,888.69	444.51
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,950.56	588.82
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,379.04	666.75
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	11,240.16	762.01
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,322.56	935.19
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	333.24	108.53
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	407.08	116.61
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	458.40	129.89
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	603.07	135.09
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	638.39	148.36
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	696.23	156.45
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	648.34	144.89
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	729.26	158.17
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	834.30	166.25
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	891.10	184.73
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	834.30	166.25
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	921.75	174.34
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,026.54	192.81
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,133.41	202.63
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	961.88	190.79
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,035.72	198.88
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,186.11	217.35
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,291.74	226.87
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,381.23	235.24
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,123.64	216.77
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,335.09	224.85
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,378.27	243.32
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,454.31	252.85

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,574.19	261.22
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,716.96	285.75
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,444.07	257.18
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,538.71	265.26
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,895.50	283.73
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,966.73	293.26
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,163.42	301.62
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,124.58	326.16
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,263.15	352.14
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,009.83	283.15
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,105.27	291.24
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,264.46	309.71
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,378.09	319.23
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,588.37	327.61
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,789.55	352.14
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,861.71	378.12
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,003.37	373.93
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,556.22	391.40
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,780.90	399.77
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,254.88	424.30
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,934.24	450.28
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,697.07	490.69
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,016.42	516.67
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,868.86	430.36
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,273.54	438.74
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,130.72	463.26
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,667.68	489.24
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,395.31	529.65
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,966.66	555.64
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,442.40	627.79
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,537.71	486.36
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,228.48	510.90
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,694.24	536.87
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,553.07	577.28
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,366.03	603.26
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,848.16	675.42
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,840.00	714.39
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,249.76	697.06
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,412.70	769.23
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,839.74	808.19
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,927.09	855.82
40 05 19 00-1705		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	297.92	95.25
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	452.56	121.81
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	653.04	137.97
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	922.63	174.92
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,288.28	193.97
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,497.65	210.71
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,939.20	259.77
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,399.52	311.73
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,262.77	392.55
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,756.69	444.51
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,319.36	588.82
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,600.64	666.75
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,463.36	762.01
40 05 19 00-1719		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	313.12	95.25
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	422.96	121.81
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	673.84	137.97
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	907.43	174.92
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,207.48	193.97
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,420.85	210.71
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,755.20	259.77
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,201.12	311.73
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,899.57	392.55
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,065.49	444.51
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,625.76	588.82
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,425.44	666.75
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,373.76	762.01
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,765.76	935.19
40 05 19 00-1734		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	431.79	152.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	534.74	188.19
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	735.18	210.13
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,047.32	273.05
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,372.93	297.88
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,815.84	320.39
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,069.06	404.10
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,514.13	461.82
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,171.41	583.05
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,608.86	643.67
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	7,784.59	889.01
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	11,145.38	1,018.90
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	22,783.52	1,177.65

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	534.90	170.87
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	651.35	174.34
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	657.39	196.28
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	848.14	192.81
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	844.57	214.75
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	891.17	228.60
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,063.01	202.63
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,066.64	224.56
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,126.83	238.41
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,342.18	282.87
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,524.85	210.71
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,499.69	232.64
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,567.08	246.50
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,664.03	290.95
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,764.01	306.25
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,843.63	235.24
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,710.47	257.18
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,688.26	271.03
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,980.41	315.48
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,929.19	330.79
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,144.21	344.92
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,246.99	261.22
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,718.63	283.15
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,057.21	297.01
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,077.36	341.47
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,256.54	356.76
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,457.98	370.90
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,639.63	430.08
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,885.82	301.62
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,499.86	323.56
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,553.65	337.42
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,670.59	381.88
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,775.37	397.17
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,813.60	411.31
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,380.85	470.49
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,461.76	502.23
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,279.57	327.61
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,852.01	349.54
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,981.00	363.40
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,108.35	407.85
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,473.93	423.15
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,560.96	437.29
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,693.82	496.46
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,817.92	528.21
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,988.81	564.44
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,773.34	421.71
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,811.14	435.55
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,984.89	480.01
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,008.06	495.31
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,029.49	509.45
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,171.95	568.62
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,255.25	600.37
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,464.91	681.19
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,229.38	715.83
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,970.47	603.54
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,517.49	614.52
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,582.75	645.98
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,654.36	658.39
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,689.01	669.64
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,787.62	711.50
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,848.96	740.36
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,011.20	800.98
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,216.32	831.28
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,029.39	953.95
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,091.13	522.15
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,769.68	566.60

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,792.86	581.90
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,832.69	596.05
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,959.95	655.21
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,102.46	686.96
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,224.91	767.78
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	13,427.79	802.42
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,001.39	975.60
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,787.15	1,066.52
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,263.00	675.71
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,284.43	689.85
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,430.08	749.02
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,478.19	780.77
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,675.04	861.59
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,859.52	896.23
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	18,385.93	1,069.41
40 05 19 00-1830		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	462.19	152.98
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	621.94	188.19
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	885.58	210.13
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,331.32	273.05
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,766.53	297.88
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,969.44	320.39
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,446.66	404.10
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,962.93	461.82
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,945.81	583.05
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,618.46	643.67
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	9,356.59	889.01
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	13,256.58	1,018.90
40 05 19 00-1843		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	385.39	152.98
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	530.74	188.19
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	747.18	210.13
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	980.92	273.05
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,368.93	297.88
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,755.04	320.39
40 05 19 00-1850		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	529.65	210.71
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	682.73	228.31
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	727.33	254.58
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	826.02	232.06
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	903.58	262.66
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	938.91	282.29
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,052.40	250.54
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,160.36	281.14
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,266.90	300.76
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,572.01	371.20
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,342.04	260.07
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,418.80	290.66
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,526.13	310.29
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,846.45	380.72
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,752.77	401.79
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,676.28	299.03
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,782.82	318.65
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,996.73	389.09
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,167.05	410.16
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,273.23	430.08
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,989.46	323.56
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,110.39	343.19
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,324.30	413.62
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,509.82	434.69
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,451.20	454.61
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,865.33	548.42
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,075.21	349.54
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,195.35	369.17
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,378.86	439.60
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,563.58	460.67
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,929.76	480.59
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,210.30	574.39
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,359.15	611.92
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,682.84	389.95
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,810.97	409.58
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,983.29	480.01
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,180.01	501.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,242.98	521.00
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,945.12	614.80
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,100.38	652.33
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,515.25	773.56
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,512.60	415.93
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,607.14	435.55
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,829.05	505.99
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,960.17	527.05
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,039.95	546.97
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,297.29	640.78
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,523.74	678.31
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,852.65	754.95
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,447.42	842.83
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,430.31	599.22
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,478.08	619.13
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,743.41	712.95
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,835.46	750.46
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,213.54	871.69
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,307.95	914.99
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,621.82	1,189.19
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,057.40	762.30
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,083.20	779.33
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,306.29	855.82
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,393.17	890.46
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,705.45	991.48
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,046.89	1,030.44
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,542.61	1,254.14
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	14,848.53	1,371.04
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,232.71	685.81
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,262.88	705.72
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,517.82	799.54
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,593.07	837.06
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,946.35	958.29
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	14,294.35	1,001.59
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,397.02	1,275.79
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,312.70	1,418.67
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,934.88	1,593.29
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,713.02	799.54
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,968.75	893.34
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,044.00	930.87
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,378.08	1,052.09
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,726.08	1,095.39
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,649.54	1,369.60

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	281.24	108.53
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	351.88	116.61
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	388.00	129.89
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	466.27	135.09
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	474.39	148.36
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	549.03	156.45
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	586.74	144.89
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	609.26	158.17
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	665.50	166.25
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	747.90	184.73
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	895.66	158.17
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	726.30	166.25
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	800.15	174.34
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	880.14	192.81
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	860.61	202.63
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,056.96	177.51
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	871.48	190.79
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	829.32	198.88
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	922.91	217.35
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,130.14	226.87
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,213.23	235.24
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,334.84	216.77
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,075.09	224.85
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,179.87	243.32
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,175.91	252.85
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,343.79	261.22
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,349.76	285.75
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,377.67	257.18
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,341.11	265.26
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,451.50	283.73
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,420.33	293.26
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,627.42	301.62
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,541.38	326.16
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,884.75	352.14

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,791.67	291.24
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,017.26	309.71
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,165.29	319.23
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,222.77	327.61
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,987.15	352.14
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,384.11	378.12
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,509.77	373.93
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,394.88	424.30
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,540.64	450.28
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,813.87	490.69
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,206.02	516.67
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,601.12	463.26
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,834.08	489.24
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,142.51	529.65
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,588.26	555.64
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,438.40	627.79
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,763.63	603.26
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,775.36	675.42
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,907.20	714.39
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,843.36	697.06
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,043.90	769.23
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,326.14	808.19
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,791.09	855.82

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	302.84	108.53
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	376.68	116.61
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	427.20	129.89
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	466.27	135.09
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	500.79	148.36
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	573.83	156.45
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	586.74	144.89
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	638.06	158.17
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	695.90	166.25
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	800.70	184.73
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	726.30	166.25
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	784.95	174.34
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	874.54	192.81
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	995.81	202.63
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	871.48	190.79
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	943.72	198.88
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,048.51	217.35
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,154.94	226.87
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,213.23	235.24
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,075.09	224.85
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,179.87	243.32
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,286.31	252.85
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,343.79	261.22
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,472.96	285.75
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,548.87	257.18
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,423.51	265.26
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,451.50	283.73
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,581.13	293.26
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,627.42	301.62
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,778.18	326.16
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,883.95	352.14
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,956.47	291.24
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,017.26	309.71
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,064.49	319.23
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,109.97	327.61
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,263.15	352.14
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,384.11	378.12
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,509.77	373.93
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,028.90	399.77
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,942.08	424.30
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,558.24	450.28
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,813.87	490.69
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,206.02	516.67
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,636.32	463.26
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,834.08	489.24
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,124.91	529.65
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,569.06	555.64
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,420.80	627.79
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,763.63	603.26
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,615.36	675.42
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,907.20	714.39
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,043.90	769.23
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,326.14	808.19
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,791.09	855.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges** *(40 05 19 00-0001)*		
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	107.25	37.52
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	160.77	55.42
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	228.51	65.81
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	309.93	76.78
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	397.25	90.06
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	519.47	101.02
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	618.93	115.46
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	840.11	161.64
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,111.73	202.05
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,570.13	245.34
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,194.56	285.75
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,857.49	314.62
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,408.00	346.37
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,125.60	389.67
40 05 19 00-2059		**Ductile Iron Bolt Packs** *(40 05 19)*		
		Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	21.74	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*6.09*	
		For Hot Dip Galvanized, Add	*8.70*	
40 05 19 00-2061	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	33.55	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*9.39*	
		For Hot Dip Galvanized, Add	*13.42*	
40 05 19 00-2062	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	36.43	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*10.20*	
		For Hot Dip Galvanized, Add	*14.57*	
40 05 19 00-2063	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	81.82	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*22.91*	
		For Hot Dip Galvanized, Add	*32.73*	
40 05 19 00-2064	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	82.54	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*23.11*	
		For Hot Dip Galvanized, Add	*33.02*	
40 05 19 00-2065	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	92.47	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*25.89*	
		For Hot Dip Galvanized, Add	*36.99*	
40 05 19 00-2066	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	155.46	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*43.53*	
		For Hot Dip Galvanized, Add	*62.18*	
40 05 19 00-2067	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	225.84	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*63.24*	
		For Hot Dip Galvanized, Add	*90.34*	
40 05 19 00-2068	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	285.15	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*79.84*	
		For Hot Dip Galvanized, Add	*114.06*	
40 05 19 00-2069	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	408.00	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*114.24*	
		For Hot Dip Galvanized, Add	*163.20*	
40 05 19 00-2070	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	644.70	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*180.52*	
		For Hot Dip Galvanized, Add	*257.88*	
40 05 19 00-2071	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	919.68	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*257.51*	
		For Hot Dip Galvanized, Add	*367.87*	
40 05 19 00-2072	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,183.14	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*331.28*	
		For Hot Dip Galvanized, Add	*473.26*	
40 05 19 00-2073	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,446.06	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*404.90*	
		For Hot Dip Galvanized, Add	*578.42*	
40 05 19 00-2074		**Full Face Flange Gaskets, ANSI/AWWA C115/A21.15** *(40 05 19)*		
		Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075		**Full Face Flange Styrene Butadiene (SBR) Gaskets** *(40 05 19 00-2074)*		
40 05 19 00-2076	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	5.85	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2077	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	7.45	
40 05 19 00-2078	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.11	
40 05 19 00-2079	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	11.71	
40 05 19 00-2080	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	12.77	
40 05 19 00-2081	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	21.28	
40 05 19 00-2082	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	26.07	
40 05 19 00-2083	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	27.67	
40 05 19 00-2084	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	42.57	
40 05 19 00-2085	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	45.76	
40 05 19 00-2086	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.06	
40 05 19 00-2087	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	67.58	
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	72.37	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	79.28	
40 05 19 00-2090		Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-2074)*		
		Note: (Acrylonitrile Butadiene)		
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	18.09	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.54	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	39.38	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	43.10	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	46.29	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	87.26	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	107.48	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	108.02	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	112.27	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	118.66	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	131.43	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	144.73	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	205.92	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	225.08	
40 05 19 00-2105		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-2074)*		
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	15.96	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	20.75	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	28.20	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	32.99	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	36.71	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	60.66	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	72.90	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	73.43	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	75.03	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	87.26	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	106.95	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	121.85	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	174.53	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	192.62	
40 05 19 00-2120		Full Face Flange Neoprene Gaskets *(40 05 19 00-2074)*		
		Note: (Polychloroprene)		
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	18.62	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	26.07	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	39.91	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	43.10	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	46.29	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	61.72	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	108.55	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	109.08	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	115.47	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	117.06	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	127.17	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	143.13	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	207.52	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	227.21	
40 05 19 00-2135		Full Face Flange FKM Gaskets *(40 05 19 00-2074)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	45.00	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	67.00	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	89.50	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	108.00	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	140.50	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	257.00	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	294.50	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	308.50	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	329.00	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	455.00	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	545.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	234.48	55.57
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	320.48	67.84
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	465.74	82.74
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	633.52	100.93
40 05 19 00-2155	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	801.87	123.08
40 05 19 00-2156	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,265.04	150.16
40 05 19 00-2157	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,963.55	183.25
40 05 19 00-2158	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,044.36	223.51
40 05 19 00-2159	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,503.93	272.75
40 05 19 00-2160	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,804.16	332.67
40 05 19 00-2161	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,602.67	405.95
40 05 19 00-2162	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,302.86	495.19
40 05 19 00-2163	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	13,487.43	604.19
40 05 19 00-2164	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	17,210.78	737.06

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 43 Stainless Steel Process Pipe *(40 05 23)*

40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly *(40 05 23 43)*

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 43-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	24.65	7.50
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.49*	
		For Work In Restricted Working Space, Add	*4.52*	
40 05 23 43-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	27.95	8.60
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.37*	
40 05 23 43-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	32.53	9.70
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.06*	
		For Work In Restricted Working Space, Add	*6.23*	
40 05 23 43-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	37.21	11.71
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.86*	
		For Work In Restricted Working Space, Add	*6.71*	
40 05 23 43-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	40.98	12.05
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.42*	
		For Work In Restricted Working Space, Add	*7.19*	
40 05 23 43-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	49.63	15.92
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.39*	
		For Work In Restricted Working Space, Add	*8.67*	
40 05 23 43-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	71.45	19.63
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*9.27*	
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 43-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	90.22	22.75
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*12.07*	
		For Work In Restricted Working Space, Add	*13.13*	
40 05 23 43-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	122.43	22.75
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*16.67*	

40 05 23 43-0011 Stainless Steel Tubing And Fittings *(40 05 23 43)*

40 05 23 43-0012 Type 304 Tubing *(40 05 23 43-0011)*

40 05 23 43-0013 0.035" Wall *(40 05 23 43-0012)*

40 05 23 43-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	5.81	2.48
		For Work In Restricted Working Space, Add	*1.47*	
40 05 23 43-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	6.83	2.93
		For Work In Restricted Working Space, Add	*1.77*	
40 05 23 43-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.08	3.48
		For Work In Restricted Working Space, Add	*2.06*	
40 05 23 43-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	11.52	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	13.44	4.40
		For Work In Restricted Working Space, Add	*2.66*	
40 05 23 43-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	14.89	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	17.04	5.95
		For Work In Restricted Working Space, Add	*3.54*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021		0.049" Wall *(40 05 23 43-0012)*			
40 05 23 43-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing		8.55	2.93
		For Work In Restricted Working Space, Add		*1.77*	
40 05 23 43-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing		9.68	3.48
		For Work In Restricted Working Space, Add		*2.06*	
40 05 23 43-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing		11.44	3.93
		For Work In Restricted Working Space, Add		*2.36*	
40 05 23 43-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing		14.43	4.94
		For Work In Restricted Working Space, Add		*2.95*	
40 05 23 43-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing		16.78	5.95
		For Work In Restricted Working Space, Add		*3.54*	
40 05 23 43-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing		19.10	6.86
		For Work In Restricted Working Space, Add		*4.13*	
40 05 23 43-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing		21.92	7.78
		For Work In Restricted Working Space, Add		*4.70*	
40 05 23 43-0029		0.065" Wall *(40 05 23 43-0012)*			
40 05 23 43-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing		9.98	3.48
		For Work In Restricted Working Space, Add		*2.06*	
40 05 23 43-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing		11.46	3.93
		For Work In Restricted Working Space, Add		*2.36*	
40 05 23 43-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing		14.20	4.94
		For Work In Restricted Working Space, Add		*2.95*	
40 05 23 43-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing		16.82	5.95
		For Work In Restricted Working Space, Add		*3.54*	
40 05 23 43-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing		19.76	6.86
		For Work In Restricted Working Space, Add		*4.13*	
40 05 23 43-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing		22.62	7.78
		For Work In Restricted Working Space, Add		*4.70*	
40 05 23 43-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing		25.47	8.79
		For Work In Restricted Working Space, Add		*5.28*	
40 05 23 43-0037		Type 304 Tube Fittings *(40 05 23 43-0011)*			
40 05 23 43-0038		90 Degree Elbows *(40 05 23 43-0037)*			
40 05 23 43-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow		31.00	9.88
		For Work In Restricted Working Space, Add		*5.90*	
40 05 23 43-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow		35.82	10.80
		For Work In Restricted Working Space, Add		*6.46*	
40 05 23 43-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow		50.01	12.18
		For Work In Restricted Working Space, Add		*7.32*	
40 05 23 43-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow		54.03	13.64
		For Work In Restricted Working Space, Add		*8.20*	
40 05 23 43-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow		59.93	14.73
		For Work In Restricted Working Space, Add		*8.86*	
40 05 23 43-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow		78.10	16.38
		For Work In Restricted Working Space, Add		*9.81*	
40 05 23 43-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow		98.16	19.49
		For Work In Restricted Working Space, Add		*11.69*	
40 05 23 43-0046		Union Tees *(40 05 23 43-0037)*			
40 05 23 43-0047	EA	1/4", Type 304, Stainless Steel, Union Tee		48.36	14.73
		For Work In Restricted Working Space, Add		*8.86*	
40 05 23 43-0048	EA	3/8", Type 304, Stainless Steel, Union Tee		57.12	16.38
		For Work In Restricted Working Space, Add		*9.81*	
40 05 23 43-0049	EA	1/2", Type 304, Stainless Steel, Union Tee		74.08	18.31
		For Work In Restricted Working Space, Add		*10.98*	
40 05 23 43-0050	EA	5/8", Type 304, Stainless Steel, Union Tee		80.80	20.78
		For Work In Restricted Working Space, Add		*12.48*	
40 05 23 43-0051	EA	3/4", Type 304, Stainless Steel, Union Tee		99.05	22.33
		For Work In Restricted Working Space, Add		*13.40*	
40 05 23 43-0052	EA	7/8", Type 304, Stainless Steel, Union Tee		146.83	24.72
		For Work In Restricted Working Space, Add		*14.84*	
40 05 23 43-0053	EA	1", Type 304, Stainless Steel, Union Tee		175.84	29.57
		For Work In Restricted Working Space, Add		*17.72*	
40 05 23 43-0054		Unions *(40 05 23 43-0037)*			
40 05 23 43-0055	EA	1/4", Type 304, Stainless Steel, Union		46.86	14.73
		For Work In Restricted Working Space, Add		*8.86*	
40 05 23 43-0056	EA	3/8", Type 304, Stainless Steel, Union		57.96	16.38
		For Work In Restricted Working Space, Add		*9.81*	
40 05 23 43-0057	EA	1/2", Type 304, Stainless Steel, Union		74.64	18.31
		For Work In Restricted Working Space, Add		*10.98*	
40 05 23 43-0058	EA	5/8", Type 304, Stainless Steel, Union		89.50	20.78
		For Work In Restricted Working Space, Add		*12.48*	
40 05 23 43-0059	EA	3/4", Type 304, Stainless Steel, Union		104.34	22.33
		For Work In Restricted Working Space, Add		*13.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA	7/8", Type 304, Stainless Steel, Union	151.05	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0061	EA	1", Type 304, Stainless Steel, Union	163.87	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0062		Male Connectors *(40 05 23 43-0037)*		
40 05 23 43-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	25.64	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	30.54	10.80
		For Work In Restricted Working Space, Add	*6.46*	
40 05 23 43-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	37.88	12.18
		For Work In Restricted Working Space, Add	*7.32*	
40 05 23 43-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	42.59	13.64
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 43-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	49.77	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	69.19	16.38
		For Work In Restricted Working Space, Add	*9.81*	
40 05 23 43-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	74.78	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0070		Type 304 Valves *(40 05 23 43-0011)*		
40 05 23 43-0071		Gate Valves *(40 05 23 43-0070)*		
40 05 23 43-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	158.68	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	266.11	17.30
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 43-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	277.01	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	307.18	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0076	EA	1" Gate Valve, Stainless Steel Type 304	283.32	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0077		Globe Valves *(40 05 23 43-0070)*		
40 05 23 43-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	160.84	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	107.04	17.30
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 43-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	191.45	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	213.21	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0082	EA	1" Globe Valve, Stainless Steel Type 304	310.56	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0083		Check Valves *(40 05 23 43-0070)*		
40 05 23 43-0084	EA	1/4" Check Valve, Stainless Steel Type 304	224.40	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0085	EA	3/8" Check Valve, Stainless Steel Type 304	225.80	17.30
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 43-0086	EA	1/2" Check Valve, Stainless Steel Type 304	149.49	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0087	EA	3/4" Check Valve, Stainless Steel Type 304	156.79	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0088	EA	1" Check Valve, Stainless Steel Type 304	174.39	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0089		Plug Valves *(40 05 23 43-0070)*		
40 05 23 43-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	346.92	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	379.99	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0092	EA	1" Plug Valve, Stainless Steel Type 304	430.88	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	597.31	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0094	EA	2" Plug Valve, Stainless Steel Type 304	778.16	45.77
		For Work In Restricted Working Space, Add	*27.46*	
40 05 23 43-0095		Type 316 Tubing *(40 05 23 43-0011)*		
40 05 23 43-0096		0.035" Wall *(40 05 23 43-0095)*		
40 05 23 43-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	5.95	2.48
		For Work In Restricted Working Space, Add	*1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	7.50	2.93
		For Work In Restricted Working Space, Add	*1.77*	
40 05 23 43-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	8.49	3.48
		For Work In Restricted Working Space, Add	*2.06*	
40 05 23 43-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.61	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	14.27	4.40
		For Work In Restricted Working Space, Add	*2.66*	
40 05 23 43-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	17.47	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	19.04	5.95
		For Work In Restricted Working Space, Add	*3.54*	

40 05 23 43-0104 0.049" Wall *(40 05 23 43-0095)*

40 05 23 43-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	9.13	2.93
		For Work In Restricted Working Space, Add	*1.77*	
40 05 23 43-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	10.29	3.48
		For Work In Restricted Working Space, Add	*2.06*	
40 05 23 43-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	12.01	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	15.48	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	18.08	5.95
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 43-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	22.46	6.86
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	23.68	7.78
		For Work In Restricted Working Space, Add	*4.70*	

40 05 23 43-0112 0.065" Wall *(40 05 23 43-0095)*

40 05 23 43-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	10.67	3.48
		For Work In Restricted Working Space, Add	*2.06*	
40 05 23 43-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	11.99	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	15.03	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	17.96	5.95
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 43-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	21.50	6.86
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	23.91	7.78
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	27.56	8.79
		For Work In Restricted Working Space, Add	*5.28*	

40 05 23 43-0120 Type 316 Tube Fittings *(40 05 23 43-0011)*

40 05 23 43-0121 90 Degree Elbows *(40 05 23 43-0120)*

40 05 23 43-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	39.18	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	46.12	10.80
		For Work In Restricted Working Space, Add	*6.46*	
40 05 23 43-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	68.49	12.18
		For Work In Restricted Working Space, Add	*7.32*	
40 05 23 43-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	73.31	13.64
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 43-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	81.87	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	110.89	16.38
		For Work In Restricted Working Space, Add	*9.81*	
40 05 23 43-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	140.89	19.49
		For Work In Restricted Working Space, Add	*11.69*	

40 05 23 43-0129 Union Tees *(40 05 23 43-0120)*

40 05 23 43-0130	EA	1/4" Union Tee, Stainless Steel Type 316	61.95	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0131	EA	3/8" Union Tee, Stainless Steel Type 316	74.76	16.38
		For Work In Restricted Working Space, Add	*9.81*	
40 05 23 43-0132	EA	1/2" Union Tee, Stainless Steel Type 316	101.14	18.31
		For Work In Restricted Working Space, Add	*10.98*	
40 05 23 43-0133	EA	5/8" Union Tee, Stainless Steel Type 316	109.10	20.78
		For Work In Restricted Working Space, Add	*12.48*	
40 05 23 43-0134	EA	3/4" Union Tee, Stainless Steel Type 316	138.32	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0135	EA	7/8" Union Tee, Stainless Steel Type 316	217.11	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0136	EA	1" Union Tee, Stainless Steel Type 316	260.16	29.57
		For Work In Restricted Working Space, Add	*17.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137		**Unions** *(40 05 23 43-0120)*		
40 05 23 43-0138	EA	1/4" Union, Stainless Steel Type 316	44.79	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0139	EA	3/8" Union, Stainless Steel Type 316	54.94	16.38
		For Work In Restricted Working Space, Add	*9.81*	
40 05 23 43-0140	EA	1/2" Union, Stainless Steel Type 316	70.09	18.31
		For Work In Restricted Working Space, Add	*10.98*	
40 05 23 43-0141	EA	5/8" Union, Stainless Steel Type 316	83.77	20.78
		For Work In Restricted Working Space, Add	*12.48*	
40 05 23 43-0142	EA	3/4" Union, Stainless Steel Type 316	97.21	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0143	EA	7/8" Union, Stainless Steel Type 316	138.91	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0144	EA	1" Union, Stainless Steel Type 316	151.34	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0145		**Male Connectors** *(40 05 23 43-0120)*		
40 05 23 43-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	29.85	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	36.90	10.80
		For Work In Restricted Working Space, Add	*6.46*	
40 05 23 43-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	47.40	12.18
		For Work In Restricted Working Space, Add	*7.32*	
40 05 23 43-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	53.39	13.64
		For Work In Restricted Working Space, Add	*8.20*	
40 05 23 43-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	64.07	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	94.99	16.38
		For Work In Restricted Working Space, Add	*9.81*	
40 05 23 43-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	100.10	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0153		**Type 316 Valves** *(40 05 23 43-0011)*		
40 05 23 43-0154		**Gate Valves** *(40 05 23 43-0153)*		
40 05 23 43-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	201.30	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	342.97	17.30
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 43-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	353.87	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	391.94	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0159	EA	1" Gate Valve, Stainless Steel Type 316	355.73	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	487.73	30.66
		For Work In Restricted Working Space, Add	*18.40*	
40 05 23 43-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	782.03	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0162	EA	2" Gate Valve, Stainless Steel Type 316	930.73	45.77
		For Work In Restricted Working Space, Add	*27.46*	
40 05 23 43-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	1,389.69	146.55
		For Work In Restricted Working Space, Add	*87.91*	
40 05 23 43-0164		**Globe Valves** *(40 05 23 43-0153)*		
40 05 23 43-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	204.16	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	132.54	17.30
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 43-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	240.68	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	267.63	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0169	EA	1" Globe Valve, Stainless Steel Type 316	391.76	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	488.66	30.48
		For Work In Restricted Working Space, Add	*18.26*	
40 05 23 43-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	810.64	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0172	EA	2" Globe Valve, Stainless Steel Type 316	959.34	45.77
		For Work In Restricted Working Space, Add	*27.46*	
40 05 23 43-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,208.50	146.55
		For Work In Restricted Working Space, Add	*87.91*	
40 05 23 43-0174		**Check Valves** *(40 05 23 43-0153)*		
40 05 23 43-0175	EA	1/4" Check Valve, Stainless Steel Type 316	288.25	14.73
		For Work In Restricted Working Space, Add	*8.00*	
40 05 23 43-0176	EA	3/8" Check Valve, Stainless Steel Type 316	289.65	17.30
		For Work In Restricted Working Space, Add	*8.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177	EA	1/2" Check Valve, Stainless Steel Type 316	185.18	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0178	EA	3/4" Check Valve, Stainless Steel Type 316	192.99	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0179	EA	1" Check Valve, Stainless Steel Type 316	211.63	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	291.92	30.66
		For Work In Restricted Working Space, Add	*18.40*	
40 05 23 43-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	648.52	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0182	EA	2" Check Valve, Stainless Steel Type 316	787.69	45.77
		For Work In Restricted Working Space, Add	*27.46*	
40 05 23 43-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	1,564.53	146.55
		For Work In Restricted Working Space, Add	*87.91*	

40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 43-0153)*

40 05 23 43-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	310.06	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	362.17	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	461.98	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	735.27	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,027.38	45.77
		For Work In Restricted Working Space, Add	*27.46*	

40 05 23 43-0190 Diaphragm Valves, Teflon Lined *(40 05 23 43-0153)*

40 05 23 43-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	410.33	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	471.72	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	571.54	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	889.38	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,211.21	45.77
		For Work In Restricted Working Space, Add	*27.46*	

40 05 23 43-0196 Strainers *(40 05 23 43-0153)*

40 05 23 43-0197	EA	1/2" Strainer, Stainless Steel Type 316	411.29	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0198	EA	3/4" Strainer, Stainless Steel Type 316	492.15	22.42
		For Work In Restricted Working Space, Add	*13.46*	
40 05 23 43-0199	EA	1" Strainer, Stainless Steel Type 316	643.97	29.75
		For Work In Restricted Working Space, Add	*17.85*	
40 05 23 43-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	799.26	30.66
		For Work In Restricted Working Space, Add	*18.40*	
40 05 23 43-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,002.90	33.41
		For Work In Restricted Working Space, Add	*20.05*	
40 05 23 43-0202	EA	2" Strainer, Stainless Steel Type 316	1,446.18	45.77
		For Work In Restricted Working Space, Add	*27.46*	
40 05 23 43-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	1,987.33	60.88
		For Work In Restricted Working Space, Add	*36.53*	
40 05 23 43-0204	EA	3" Strainer, Stainless Steel Type 316	2,894.28	91.54
		For Work In Restricted Working Space, Add	*54.92*	
40 05 23 43-0205	EA	4" Strainer, Stainless Steel Type 316	3,706.41	146.46
		For Work In Restricted Working Space, Add	*87.87*	

40 05 23 43-0206 Plug Valves *(40 05 23 43-0153)*

40 05 23 43-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	438.21	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	479.38	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0209	EA	1" Plug Valve, Stainless Steel Type 316	541.10	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	754.56	33.41
		For Work In Restricted Working Space, Add	*20.04*	
40 05 23 43-0211	EA	2" Plug Valve, Stainless Steel Type 316	981.69	45.77
		For Work In Restricted Working Space, Add	*27.46*	

40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 43-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 43-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	18.30
40 05 23 43-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	19.77
40 05 23 43-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	22.23
40 05 23 43-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	23.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	24.71	
40 05 23 43-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	26.53	
40 05 23 43-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	28.37	
40 05 23 43-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	31.11	
40 05 23 43-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	33.85	
40 05 23 43-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	36.60	
40 05 23 43-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	39.35	
40 05 23 43-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	43.01	
40 05 23 43-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	46.67	
40 05 23 43-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	50.33	
40 05 23 43-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	53.98	
40 05 23 43-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	56.73	
40 05 23 43-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	59.48	
40 05 23 43-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	63.14	

40 05 23 43-0231 Stainless Steel Pipe And Fittings *(40 05 23 43)*

40 05 23 43-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings *(40 05 23 43-0231)*

40 05 23 43-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 43-0232)*

40 05 23 43-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	12.57	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	15.50	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	19.01	5.95
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 43-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	22.76	6.86
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	26.29	7.78
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	33.52	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	44.83	11.71
		For Work In Restricted Working Space, Add	*7.04*	
40 05 23 43-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	56.36	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	76.11	19.49
		For Work In Restricted Working Space, Add	*11.69*	

40 05 23 43-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 43-0232)*

40 05 23 43-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	31.25	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	41.41	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	53.06	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	73.91	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	87.72	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	106.67	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	176.07	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	226.79	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	302.51	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 43-0232)*

40 05 23 43-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	31.64	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	42.05	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	53.25	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	73.84	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	86.77	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	106.45	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	180.35	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	235.14	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	312.23	122.02
		For Work In Restricted Working Space, Add	*73.23*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0263		**150#, Type 304 Stainless Steel Threaded Tees** *(40 05 23 43-0232)*		
40 05 23 43-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	46.98	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	62.75	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	77.94	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	111.07	50.89
		For Work In Restricted Working Space, Add	*30.51*	
40 05 23 43-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	126.07	57.21
		For Work In Restricted Working Space, Add	*34.33*	
40 05 23 43-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	167.52	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	252.63	110.30
		For Work In Restricted Working Space, Add	*66.17*	
40 05 23 43-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	341.47	147.65
		For Work In Restricted Working Space, Add	*88.58*	
40 05 23 43-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	449.57	183.08
		For Work In Restricted Working Space, Add	*109.85*	
40 05 23 43-0273		**150#, Type 304 Stainless Steel Threaded Reducers** *(40 05 23 43-0232)*		
40 05 23 43-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	41.12	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	52.43	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	72.12	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	85.79	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	106.71	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	174.80	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	228.52	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	296.54	122.02
		For Work In Restricted Working Space, Add	*73.23*	
40 05 23 43-0282		**150#, Type 304 Stainless Steel Threaded Caps** *(40 05 23 43-0232)*		
40 05 23 43-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	15.90	7.42
		For Work In Restricted Working Space, Add	*4.43*	
40 05 23 43-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	21.11	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	26.55	12.18
		For Work In Restricted Working Space, Add	*7.32*	
40 05 23 43-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	38.42	17.30
		For Work In Restricted Working Space, Add	*10.36*	
40 05 23 43-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	44.05	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	55.97	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	84.95	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	112.54	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	149.45	61.06
		For Work In Restricted Working Space, Add	*36.62*	
40 05 23 43-0292		**150#, Type 304 Stainless Steel Threaded Unions** *(40 05 23 43-0232)*		
40 05 23 43-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	49.47	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	65.15	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	82.45	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	117.70	50.89
		For Work In Restricted Working Space, Add	*30.51*	
40 05 23 43-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	132.50	57.21
		For Work In Restricted Working Space, Add	*34.33*	
40 05 23 43-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	174.22	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	287.47	114.43
		For Work In Restricted Working Space, Add	*68.65*	
40 05 23 43-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	369.13	147.65
		For Work In Restricted Working Space, Add	*88.59*	
40 05 23 43-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	363.97	122.06
		For Work In Restricted Working Space, Add	*73.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0302		**150#, Type 304 Stainless Steel Threaded Couplings** *(40 05 23 43-0232)*		
40 05 23 43-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	31.08	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	41.19	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	52.88	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	73.21	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	86.00	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	105.39	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	172.41	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	222.51	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	283.96	122.02
		For Work In Restricted Working Space, Add	*73.23*	
40 05 23 43-0312		**Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings** *(40 05 23 43-0231)*		
40 05 23 43-0313		**Type 316, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 43-0312)*		
40 05 23 43-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	15.07	3.93
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	17.96	4.94
		For Work In Restricted Working Space, Add	*2.95*	
40 05 23 43-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	22.54	5.95
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 43-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	27.38	6.86
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	31.76	7.78
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 43-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	40.84	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	55.07	11.71
		For Work In Restricted Working Space, Add	*7.04*	
40 05 23 43-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	71.63	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	95.98	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0323		**150#, Type 316 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 43-0312)*		
40 05 23 43-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	31.76	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	42.18	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	53.53	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	74.76	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	88.85	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	108.07	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	178.30	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	232.26	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	309.15	122.02
		For Work In Restricted Working Space, Add	*73.23*	
40 05 23 43-0333		**150#, Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 43-0312)*		
40 05 23 43-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	32.18	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	42.45	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	53.84	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	74.67	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	87.75	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	107.76	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	182.45	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	239.98	98.40
		For Work In Restricted Working Space, Add	*59.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	325.29	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 43-0312)*

40 05 23 43-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	47.53	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	63.31	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	78.57	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	112.35	50.89
		For Work In Restricted Working Space, Add	*30.51*	
40 05 23 43-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	127.33	57.21
		For Work In Restricted Working Space, Add	*34.33*	
40 05 23 43-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	169.18	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	259.42	110.30
		For Work In Restricted Working Space, Add	*66.17*	
40 05 23 43-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	350.72	147.65
		For Work In Restricted Working Space, Add	*88.58*	
40 05 23 43-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	456.47	183.08
		For Work In Restricted Working Space, Add	*109.85*	

40 05 23 43-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 43-0312)*

40 05 23 43-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	41.59	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	53.82	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	72.39	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	87.17	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	109.12	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	180.28	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	234.57	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	306.62	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 43-0312)*

40 05 23 43-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	16.21	7.42
		For Work In Restricted Working Space, Add	*4.43*	
40 05 23 43-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	21.34	9.88
		For Work In Restricted Working Space, Add	*5.90*	
40 05 23 43-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap	26.96	12.18
		For Work In Restricted Working Space, Add	*7.32*	
40 05 23 43-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	39.56	17.30
		For Work In Restricted Working Space, Add	*10.36*	
40 05 23 43-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	45.40	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap	57.72	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	87.84	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap	115.48	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap	155.28	61.06
		For Work In Restricted Working Space, Add	*36.62*	

40 05 23 43-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 43-0312)*

40 05 23 43-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	50.13	22.33
		For Work In Restricted Working Space, Add	*13.40*	
40 05 23 43-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	67.65	29.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union	83.71	36.61
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 43-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	119.85	50.89
		For Work In Restricted Working Space, Add	*30.51*	
40 05 23 43-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	135.01	57.21
		For Work In Restricted Working Space, Add	*34.33*	
40 05 23 43-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union	177.12	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	291.92	114.43
		For Work In Restricted Working Space, Add	*68.65*	
40 05 23 43-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union	383.01	147.65
		For Work In Restricted Working Space, Add	*88.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union	393.57	122.06
		For Work In Restricted Working Space, Add	*73.24*	

40 05 23 43-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 43-0312)*

40 05 23 43-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	32.13	14.73
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	41.68	19.49
		For Work In Restricted Working Space, Add	*11.69*	
40 05 23 43-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	53.34	24.72
		For Work In Restricted Working Space, Add	*14.84*	
40 05 23 43-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	73.95	33.86
		For Work In Restricted Working Space, Add	*20.34*	
40 05 23 43-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	86.88	39.82
		For Work In Restricted Working Space, Add	*23.88*	
40 05 23 43-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	106.61	48.15
		For Work In Restricted Working Space, Add	*28.91*	
40 05 23 43-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	176.68	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	228.01	98.40
		For Work In Restricted Working Space, Add	*59.06*	
40 05 23 43-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	292.21	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 43-0392)*

40 05 23 43-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	13.77	3.84
		For Work In Restricted Working Space, Add	*2.30*	
40 05 23 43-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	16.44	4.69
		For Work In Restricted Working Space, Add	*2.81*	
40 05 23 43-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	21.52	5.54
		For Work In Restricted Working Space, Add	*3.30*	
40 05 23 43-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	26.33	6.91
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	29.34	7.76
		For Work In Restricted Working Space, Add	*4.65*	
40 05 23 43-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.28	9.64
		For Work In Restricted Working Space, Add	*5.76*	
40 05 23 43-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	43.19	11.00
		For Work In Restricted Working Space, Add	*6.58*	
40 05 23 43-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	50.76	12.36
		For Work In Restricted Working Space, Add	*7.42*	
40 05 23 43-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	63.41	14.66
		For Work In Restricted Working Space, Add	*8.78*	
40 05 23 43-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	91.73	19.26
		For Work In Restricted Working Space, Add	*11.52*	
40 05 23 43-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	152.90	33.26
		For Work In Restricted Working Space, Add	*21.38*	
40 05 23 43-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	193.35	36.57
		For Work In Restricted Working Space, Add	*23.51*	
40 05 23 43-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	230.38	40.67
		For Work In Restricted Working Space, Add	*26.12*	
40 05 23 43-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	282.04	45.72
		For Work In Restricted Working Space, Add	*29.39*	
40 05 23 43-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	311.18	52.25
		For Work In Restricted Working Space, Add	*33.59*	
40 05 23 43-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	349.44	60.95
		For Work In Restricted Working Space, Add	*39.19*	
40 05 23 43-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	481.37	73.15
		For Work In Restricted Working Space, Add	*47.03*	
40 05 23 43-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	626.48	91.44
		For Work In Restricted Working Space, Add	*58.78*	

40 05 23 43-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 43-0392)*

40 05 23 43-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	100.18	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	106.15	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	116.90	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	127.54	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	140.85	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	157.28	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	203.63	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	238.81	102.48
		For Work In Restricted Working Space, Add	*68.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	290.70	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	389.07	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	648.96	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	937.65	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,414.26	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,667.86	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,947.96	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,457.64	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,429.12	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,918.08	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	

40 05 23 43-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 43-0392)*

40 05 23 43-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	101.06	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	107.03	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	117.96	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	128.95	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	141.03	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	157.28	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	202.75	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	237.22	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	287.71	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	373.40	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	618.75	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	883.86	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,329.10	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,563.33	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,818.96	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,288.23	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,200.52	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,593.80	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	

40 05 23 43-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 43-0392)*

40 05 23 43-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	133.22	55.59
		For Work In Restricted Working Space, Add	*37.06*	
40 05 23 43-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	161.32	68.24
		For Work In Restricted Working Space, Add	*45.49*	
40 05 23 43-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	180.06	76.67
		For Work In Restricted Working Space, Add	*51.11*	
40 05 23 43-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	205.05	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	218.24	93.85
		For Work In Restricted Working Space, Add	*62.57*	
40 05 23 43-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	237.86	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	301.87	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	360.59	153.71
		For Work In Restricted Working Space, Add	*102.47*	
40 05 23 43-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	411.87	172.52
		For Work In Restricted Working Space, Add	*115.01*	
40 05 23 43-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	587.00	230.02
		For Work In Restricted Working Space, Add	*153.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	925.30	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	1,414.26	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	1,808.79	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	2,215.47	756.84
		For Work In Restricted Working Space, Add	*504.56*	
40 05 23 43-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	2,687.15	923.26
		For Work In Restricted Working Space, Add	*615.51*	
40 05 23 43-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	3,419.73	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	4,559.58	1,546.88
		For Work In Restricted Working Space, Add	*1,031.25*	
40 05 23 43-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	6,852.79	2,351.25
		For Work In Restricted Working Space, Add	*1,567.50*	

40 05 23 43-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0392)*

40 05 23 43-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	120.46	46.45
		For Work In Restricted Working Space, Add	*30.96*	
40 05 23 43-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	143.72	56.91
		For Work In Restricted Working Space, Add	*37.94*	
40 05 23 43-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	173.59	63.95
		For Work In Restricted Working Space, Add	*42.63*	
40 05 23 43-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	183.64	72.89
		For Work In Restricted Working Space, Add	*48.60*	
40 05 23 43-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	193.62	78.33
		For Work In Restricted Working Space, Add	*52.22*	
40 05 23 43-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	242.68	85.36
		For Work In Restricted Working Space, Add	*56.91*	
40 05 23 43-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	286.88	102.32
		For Work In Restricted Working Space, Add	*68.22*	
40 05 23 43-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	354.59	127.89
		For Work In Restricted Working Space, Add	*85.26*	
40 05 23 43-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	454.62	146.12
		For Work In Restricted Working Space, Add	*97.42*	
40 05 23 43-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	810.18	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,300.05	279.91
		For Work In Restricted Working Space, Add	*186.61*	
40 05 23 43-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,868.24	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,263.98	504.42
		For Work In Restricted Working Space, Add	*336.28*	
40 05 23 43-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,798.86	615.30
		For Work In Restricted Working Space, Add	*410.20*	
40 05 23 43-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,608.46	783.75
		For Work In Restricted Working Space, Add	*522.50*	
40 05 23 43-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,087.25	1,031.25
		For Work In Restricted Working Space, Add	*687.50*	
40 05 23 43-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,932.71	1,566.10
		For Work In Restricted Working Space, Add	*1,044.07*	

40 05 23 43-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 43-0392)*

40 05 23 43-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	99.83	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	109.66	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	121.57	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	130.08	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	142.26	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	187.77	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	212.61	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	248.63	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	319.87	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	496.49	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	629.20	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	844.70	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,184.07	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,377.64	502.40
		For Work In Restricted Working Space, Add	*334.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,701.97	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,365.67	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,437.11	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	
40 05 23 43-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	116.38	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	121.81	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	129.89	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	145.22	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	153.17	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	199.74	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	224.40	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	257.75	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	352.78	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	567.04	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	766.82	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	971.86	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,477.42	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,713.77	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,112.20	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,023.05	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,308.34	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	
40 05 23 43-0522		Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 43-0392)*		
40 05 23 43-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	54.06	21.87
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	58.97	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	64.78	25.51
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 43-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	71.20	27.80
		For Work In Restricted Working Space, Add	*18.53*	
40 05 23 43-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	76.86	30.71
		For Work In Restricted Working Space, Add	*20.47*	
40 05 23 43-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	83.48	34.16
		For Work In Restricted Working Space, Add	*22.77*	
40 05 23 43-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	108.06	43.73
		For Work In Restricted Working Space, Add	*29.15*	
40 05 23 43-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	123.20	51.24
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	148.26	61.33
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	190.06	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	315.08	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	419.67	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	620.36	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	727.33	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	840.71	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,060.16	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	1,467.88	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	2,150.87	839.72
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0541		Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*		
40 05 23 43-0542		Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 43-0541)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	15.27	3.84
		For Work In Restricted Working Space, Add	*2.30*	
40 05 23 43-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	18.57	4.69
		For Work In Restricted Working Space, Add	*2.81*	
40 05 23 43-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	22.66	5.54
		For Work In Restricted Working Space, Add	*3.30*	
40 05 23 43-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	28.33	6.83
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	32.59	7.67
		For Work In Restricted Working Space, Add	*4.65*	
40 05 23 43-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	41.63	9.80
		For Work In Restricted Working Space, Add	*5.76*	
40 05 23 43-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	51.35	11.08
		For Work In Restricted Working Space, Add	*6.58*	
40 05 23 43-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	50.61	12.36
		For Work In Restricted Working Space, Add	*7.42*	
40 05 23 43-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	81.61	14.50
		For Work In Restricted Working Space, Add	*8.78*	
40 05 23 43-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	125.89	19.18
		For Work In Restricted Working Space, Add	*11.52*	
40 05 23 43-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	221.22	33.09
		For Work In Restricted Working Space, Add	*21.38*	
40 05 23 43-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	278.33	36.57
		For Work In Restricted Working Space, Add	*23.51*	
40 05 23 43-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	345.36	40.49
		For Work In Restricted Working Space, Add	*26.12*	
40 05 23 43-0556		Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 43-0541)*		
40 05 23 43-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	100.89	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	106.86	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	117.43	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	127.92	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	141.20	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	158.51	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	208.20	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	245.50	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	301.96	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	461.05	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	747.05	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,136.67	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,672.39	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,981.00	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,350.24	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,016.59	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,119.02	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,902.34	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	
40 05 23 43-0575		Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 43-0541)*		
40 05 23 43-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	102.12	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	108.09	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	118.31	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	128.82	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	142.08	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	158.70	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	208.20	87.43
		For Work In Restricted Working Space, Add	*58.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	240.57	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	304.60	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	401.03	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	684.13	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	979.48	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,440.50	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,641.89	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,946.49	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,453.31	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,358.96	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,862.81	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	

40 05 23 43-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 43-0541)*

40 05 23 43-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	133.92	55.59
		For Work In Restricted Working Space, Add	*37.06*	
40 05 23 43-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	162.02	68.24
		For Work In Restricted Working Space, Add	*45.49*	
40 05 23 43-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	180.76	76.67
		For Work In Restricted Working Space, Add	*51.11*	
40 05 23 43-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	206.84	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	218.94	93.85
		For Work In Restricted Working Space, Add	*62.57*	
40 05 23 43-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	238.74	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	304.25	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	364.28	153.71
		For Work In Restricted Working Space, Add	*102.47*	
40 05 23 43-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	415.92	172.52
		For Work In Restricted Working Space, Add	*115.01*	
40 05 23 43-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	614.98	230.02
		For Work In Restricted Working Space, Add	*153.34*	
40 05 23 43-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,008.36	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	1,669.17	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	2,077.57	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	2,757.06	756.84
		For Work In Restricted Working Space, Add	*504.56*	
40 05 23 43-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	3,477.84	923.26
		For Work In Restricted Working Space, Add	*615.51*	
40 05 23 43-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	4,493.28	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	5,818.84	1,546.88
		For Work In Restricted Working Space, Add	*1,031.25*	
40 05 23 43-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	8,897.98	2,351.25
		For Work In Restricted Working Space, Add	*1,567.50*	

40 05 23 43-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0541)*

40 05 23 43-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	122.75	46.45
		For Work In Restricted Working Space, Add	*30.96*	
40 05 23 43-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	146.01	56.91
		For Work In Restricted Working Space, Add	*37.94*	
40 05 23 43-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	184.60	63.95
		For Work In Restricted Working Space, Add	*42.63*	
40 05 23 43-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	186.98	72.89
		For Work In Restricted Working Space, Add	*48.60*	
40 05 23 43-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	193.62	78.33
		For Work In Restricted Working Space, Add	*52.22*	
40 05 23 43-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	231.43	85.36
		For Work In Restricted Working Space, Add	*56.91*	
40 05 23 43-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	262.06	102.32
		For Work In Restricted Working Space, Add	*68.22*	
40 05 23 43-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	341.57	127.89
		For Work In Restricted Working Space, Add	*85.26*	
40 05 23 43-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	456.73	146.12
		For Work In Restricted Working Space, Add	*97.42*	
40 05 23 43-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	735.48	209.94
		For Work In Restricted Working Space, Add	*139.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,323.42	279.91
		For Work In Restricted Working Space, Add	*186.61*	
40 05 23 43-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,915.00	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,198.37	504.42
		For Work In Restricted Working Space, Add	*336.28*	
40 05 23 43-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,716.69	615.30
		For Work In Restricted Working Space, Add	*410.20*	
40 05 23 43-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,501.31	783.75
		For Work In Restricted Working Space, Add	*522.50*	
40 05 23 43-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,926.78	1,031.25
		For Work In Restricted Working Space, Add	*687.50*	
40 05 23 43-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,677.15	1,566.10
		For Work In Restricted Working Space, Add	*1,044.07*	

40 05 23 43-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 43-0541)*

40 05 23 43-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	101.59	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	111.42	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	121.70	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	131.84	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	143.31	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	187.77	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	206.27	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	239.62	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	321.28	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	526.38	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	680.52	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	890.51	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,286.87	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,506.87	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,963.66	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,674.35	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,756.78	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	
40 05 23 43-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	117.09	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	125.50	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	142.56	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	151.73	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	163.20	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	199.74	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	246.23	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	272.54	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	367.39	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	568.57	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	765.49	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,041.05	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,655.87	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,879.29	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,445.46	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,187.52	839.73
		For Work In Restricted Working Space, Add	*559.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	5,037.33	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	

40 05 23 43-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 43-0541)*

40 05 23 43-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	54.58	21.87
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	58.44	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	65.30	25.51
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 43-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	73.56	27.80
		For Work In Restricted Working Space, Add	*18.53*	
40 05 23 43-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	79.15	30.71
		For Work In Restricted Working Space, Add	*20.47*	
40 05 23 43-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	83.30	34.16
		For Work In Restricted Working Space, Add	*22.77*	
40 05 23 43-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	106.88	43.73
		For Work In Restricted Working Space, Add	*29.15*	
40 05 23 43-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	123.90	51.24
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	150.37	61.33
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	203.08	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	335.99	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	449.24	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	676.72	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	778.95	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	911.72	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,144.32	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	1,580.11	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	2,338.52	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 43-0685)*

40 05 23 43-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	15.68	3.84
		For Work In Restricted Working Space, Add	*2.30*	
40 05 23 43-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	18.65	4.69
		For Work In Restricted Working Space, Add	*2.81*	
40 05 23 43-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	24.80	5.54
		For Work In Restricted Working Space, Add	*3.30*	
40 05 23 43-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	30.26	6.91
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	33.66	7.76
		For Work In Restricted Working Space, Add	*4.65*	
40 05 23 43-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	41.61	9.64
		For Work In Restricted Working Space, Add	*5.76*	
40 05 23 43-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	49.82	11.00
		For Work In Restricted Working Space, Add	*6.58*	
40 05 23 43-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	58.89	12.36
		For Work In Restricted Working Space, Add	*7.42*	
40 05 23 43-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	74.08	14.66
		For Work In Restricted Working Space, Add	*8.78*	
40 05 23 43-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	108.38	19.26
		For Work In Restricted Working Space, Add	*11.52*	
40 05 23 43-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	178.40	33.26
		For Work In Restricted Working Space, Add	*21.38*	
40 05 23 43-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	229.25	36.57
		For Work In Restricted Working Space, Add	*23.51*	
40 05 23 43-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	275.14	40.67
		For Work In Restricted Working Space, Add	*26.12*	
40 05 23 43-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	339.52	45.72
		For Work In Restricted Working Space, Add	*29.39*	
40 05 23 43-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	373.39	52.25
		For Work In Restricted Working Space, Add	*33.59*	
40 05 23 43-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	417.77	60.95
		For Work In Restricted Working Space, Add	*39.19*	
40 05 23 43-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	582.75	73.15
		For Work In Restricted Working Space, Add	*47.03*	
40 05 23 43-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	760.93	91.44
		For Work In Restricted Working Space, Add	*58.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0705		**Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 43-0685)*		
40 05 23 43-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	101.06	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	107.03	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	117.96	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	129.07	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	141.91	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	158.51	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	205.92	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	242.15	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	295.80	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	402.44	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	673.87	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	995.24	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,492.77	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,741.74	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,064.81	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,597.76	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,629.28	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,215.50	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	
40 05 23 43-0724		**Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 43-0685)*		
40 05 23 43-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	102.12	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	108.09	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	119.01	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	130.48	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	141.91	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	158.51	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	204.86	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	240.57	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	292.11	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	380.62	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	634.71	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	979.48	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,440.50	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,692.75	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,975.01	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,492.00	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,534.26	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,088.94	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	
40 05 23 43-0743		**Type 316, Schedule 10 Stainless Steel Butt Weld Tees** *(40 05 23 43-0685)*		
40 05 23 43-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	135.51	55.59
		For Work In Restricted Working Space, Add	*37.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	163.61	68.24
		For Work In Restricted Working Space, Add	*45.49*	
40 05 23 43-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	182.35	76.67
		For Work In Restricted Working Space, Add	*51.11*	
40 05 23 43-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	209.28	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	221.58	93.85
		For Work In Restricted Working Space, Add	*62.57*	
40 05 23 43-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	240.86	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	292.28	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	366.40	153.71
		For Work In Restricted Working Space, Add	*102.47*	
40 05 23 43-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	419.79	172.52
		For Work In Restricted Working Space, Add	*115.01*	
40 05 23 43-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	609.70	230.02
		For Work In Restricted Working Space, Add	*153.34*	
40 05 23 43-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	984.98	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	1,528.88	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	1,960.66	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	2,497.07	756.84
		For Work In Restricted Working Space, Add	*504.56*	
40 05 23 43-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	2,959.86	923.26
		For Work In Restricted Working Space, Add	*615.51*	
40 05 23 43-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	3,762.85	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	5,059.95	1,546.88
		For Work In Restricted Working Space, Add	*1,031.25*	
40 05 23 43-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	7,291.64	2,351.25
		For Work In Restricted Working Space, Add	*1,567.50*	

40 05 23 43-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0685)*

40 05 23 43-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	125.91	46.45
		For Work In Restricted Working Space, Add	*30.96*	
40 05 23 43-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	150.23	56.91
		For Work In Restricted Working Space, Add	*37.94*	
40 05 23 43-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	181.52	63.95
		For Work In Restricted Working Space, Add	*42.63*	
40 05 23 43-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	189.09	72.89
		For Work In Restricted Working Space, Add	*48.60*	
40 05 23 43-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	201.18	78.33
		For Work In Restricted Working Space, Add	*52.22*	
40 05 23 43-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	265.56	85.36
		For Work In Restricted Working Space, Add	*56.91*	
40 05 23 43-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	266.29	102.32
		For Work In Restricted Working Space, Add	*68.22*	
40 05 23 43-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	354.59	127.89
		For Work In Restricted Working Space, Add	*85.26*	
40 05 23 43-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	487.18	146.12
		For Work In Restricted Working Space, Add	*97.42*	
40 05 23 43-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	904.85	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,615.77	279.91
		For Work In Restricted Working Space, Add	*186.61*	
40 05 23 43-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,137.20	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,442.18	504.42
		For Work In Restricted Working Space, Add	*336.28*	
40 05 23 43-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,022.03	615.30
		For Work In Restricted Working Space, Add	*410.20*	
40 05 23 43-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,899.49	783.75
		For Work In Restricted Working Space, Add	*522.50*	
40 05 23 43-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,523.06	1,031.25
		For Work In Restricted Working Space, Add	*687.50*	
40 05 23 43-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,626.83	1,566.10
		For Work In Restricted Working Space, Add	*1,044.07*	

40 05 23 43-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 43-0685)*

40 05 23 43-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	101.42	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	111.60	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	124.39	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	131.31	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	143.31	61.40
		For Work In Restricted Working Space, Add	*40.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	187.03	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	216.83	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	240.88	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	328.50	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	505.51	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	650.31	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	869.61	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,218.37	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,410.12	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,749.71	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,439.44	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,567.90	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	
40 05 23 43-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	115.10	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	127.85	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	143.65	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	153.84	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	157.22	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	206.25	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	236.55	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	267.61	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	374.43	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	605.06	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	821.75	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,047.51	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,555.74	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,817.88	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,256.33	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,249.68	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,530.12	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	

40 05 23 43-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 43-0685)*

40 05 23 43-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	56.34	21.87
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	61.96	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	67.94	25.51
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 43-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	74.26	27.80
		For Work In Restricted Working Space, Add	*18.53*	
40 05 23 43-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	80.56	30.71
		For Work In Restricted Working Space, Add	*20.47*	
40 05 23 43-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	85.59	34.16
		For Work In Restricted Working Space, Add	*22.77*	
40 05 23 43-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	107.39	43.73
		For Work In Restricted Working Space, Add	*29.15*	
40 05 23 43-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	126.89	51.24
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	151.95	61.33
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	196.57	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	326.67	125.95
		For Work In Restricted Working Space, Add	*83.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	433.75	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	640.96	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	745.90	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	856.40	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,078.14	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	1,496.56	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	2,239.17	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 43-0231)*

40 05 23 43-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 43-0834)*

40 05 23 43-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	17.82	3.84
		For Work In Restricted Working Space, Add	*2.30*	
40 05 23 43-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	21.64	4.69
		For Work In Restricted Working Space, Add	*2.81*	
40 05 23 43-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	26.57	5.54
		For Work In Restricted Working Space, Add	*3.30*	
40 05 23 43-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	33.21	6.83
		For Work In Restricted Working Space, Add	*4.13*	
40 05 23 43-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	38.30	7.67
		For Work In Restricted Working Space, Add	*4.65*	
40 05 23 43-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	49.14	9.80
		For Work In Restricted Working Space, Add	*5.76*	
40 05 23 43-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	61.19	11.08
		For Work In Restricted Working Space, Add	*6.58*	
40 05 23 43-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	59.27	12.36
		For Work In Restricted Working Space, Add	*7.42*	
40 05 23 43-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	99.13	14.50
		For Work In Restricted Working Space, Add	*8.78*	
40 05 23 43-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	155.16	19.18
		For Work In Restricted Working Space, Add	*11.52*	
40 05 23 43-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	271.39	33.09
		For Work In Restricted Working Space, Add	*21.38*	
40 05 23 43-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	345.22	36.57
		For Work In Restricted Working Space, Add	*23.51*	
40 05 23 43-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	431.76	40.49
		For Work In Restricted Working Space, Add	*26.12*	

40 05 23 43-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 43-0834)*

40 05 23 43-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	101.94	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	107.91	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	118.84	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	129.46	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	142.79	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	160.62	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	212.43	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	251.30	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	315.87	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	472.84	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	808.63	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,289.86	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,849.17	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,078.13	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,503.99	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,190.06	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,325.93	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,267.06	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	

40 05 23 43-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 43-0834)*

40 05 23 43-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	103.70	43.74
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	109.67	46.43
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	119.89	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	129.97	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	143.84	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	160.62	68.32
		For Work In Restricted Working Space, Add	*45.55*	
40 05 23 43-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	212.43	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	244.44	102.48
		For Work In Restricted Working Space, Add	*68.32*	
40 05 23 43-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	302.84	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	419.34	153.22
		For Work In Restricted Working Space, Add	*102.15*	
40 05 23 43-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	714.36	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,072.61	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,558.34	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,777.13	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,010.16	670.51
		For Work In Restricted Working Space, Add	*447.01*	
40 05 23 43-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,575.28	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,514.97	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,184.06	1,679.46
		For Work In Restricted Working Space, Add	*1,119.64*	

40 05 23 43-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 43-0834)*

40 05 23 43-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	136.56	55.59
		For Work In Restricted Working Space, Add	*37.06*	
40 05 23 43-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	164.66	68.24
		For Work In Restricted Working Space, Add	*45.49*	
40 05 23 43-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	183.40	76.67
		For Work In Restricted Working Space, Add	*51.11*	
40 05 23 43-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	210.81	87.43
		For Work In Restricted Working Space, Add	*58.29*	
40 05 23 43-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	221.58	93.85
		For Work In Restricted Working Space, Add	*62.57*	
40 05 23 43-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	241.56	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	298.55	122.66
		For Work In Restricted Working Space, Add	*81.77*	
40 05 23 43-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	369.74	153.71
		For Work In Restricted Working Space, Add	*102.47*	
40 05 23 43-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	425.60	172.52
		For Work In Restricted Working Space, Add	*115.01*	
40 05 23 43-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	651.06	230.02
		For Work In Restricted Working Space, Add	*153.34*	
40 05 23 43-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,091.24	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	1,809.44	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	2,229.63	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	3,129.79	756.84
		For Work In Restricted Working Space, Add	*504.56*	
40 05 23 43-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	3,871.63	923.26
		For Work In Restricted Working Space, Add	*615.51*	
40 05 23 43-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	5,005.75	1,175.62
		For Work In Restricted Working Space, Add	*783.75*	
40 05 23 43-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	6,512.05	1,546.88
		For Work In Restricted Working Space, Add	*1,031.25*	
40 05 23 43-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	9,388.89	2,351.25
		For Work In Restricted Working Space, Add	*1,567.50*	

40 05 23 43-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 43-0834)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	129.26	46.45
		For Work In Restricted Working Space, Add	*30.96*	
40 05 23 43-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	152.52	56.91
		For Work In Restricted Working Space, Add	*37.94*	
40 05 23 43-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	195.60	63.95
		For Work In Restricted Working Space, Add	*42.63*	
40 05 23 43-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	194.55	72.89
		For Work In Restricted Working Space, Add	*48.60*	
40 05 23 43-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	201.18	78.33
		For Work In Restricted Working Space, Add	*52.22*	
40 05 23 43-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	266.61	85.36
		For Work In Restricted Working Space, Add	*56.91*	
40 05 23 43-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	273.85	102.32
		For Work In Restricted Working Space, Add	*68.22*	
40 05 23 43-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	362.16	127.89
		For Work In Restricted Working Space, Add	*85.26*	
40 05 23 43-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	491.93	146.12
		For Work In Restricted Working Space, Add	*97.42*	
40 05 23 43-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	811.33	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,639.16	279.91
		For Work In Restricted Working Space, Add	*186.61*	
40 05 23 43-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,183.96	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,493.48	504.42
		For Work In Restricted Working Space, Add	*336.28*	
40 05 23 43-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,086.29	615.30
		For Work In Restricted Working Space, Add	*410.20*	
40 05 23 43-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,983.28	783.75
		For Work In Restricted Working Space, Add	*522.50*	
40 05 23 43-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,648.55	1,031.25
		For Work In Restricted Working Space, Add	*687.50*	
40 05 23 43-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,826.69	1,566.10
		For Work In Restricted Working Space, Add	*1,044.07*	

40 05 23 43-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 43-0834)*

40 05 23 43-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	104.23	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	114.41	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	125.67	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	134.48	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	145.25	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	193.22	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	209.97	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	243.32	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	329.73	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	542.34	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	719.68	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	919.41	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,313.23	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,511.07	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,001.88	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,709.17	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,908.50	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	
40 05 23 43-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	124.12	42.24
		For Work In Restricted Working Space, Add	*28.16*	
40 05 23 43-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	132.54	46.03
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 43-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	152.80	51.02
		For Work In Restricted Working Space, Add	*34.01*	
40 05 23 43-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	159.30	55.60
		For Work In Restricted Working Space, Add	*37.07*	
40 05 23 43-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	171.65	61.40
		For Work In Restricted Working Space, Add	*40.94*	
40 05 23 43-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	206.25	76.73
		For Work In Restricted Working Space, Add	*51.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	260.83	87.36
		For Work In Restricted Working Space, Add	*58.24*	
40 05 23 43-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	286.97	102.37
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 43-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	401.36	130.32
		For Work In Restricted Working Space, Add	*86.88*	
40 05 23 43-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	595.94	201.54
		For Work In Restricted Working Space, Add	*134.36*	
40 05 23 43-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	837.53	251.93
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,155.10	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,709.22	440.86
		For Work In Restricted Working Space, Add	*293.90*	
40 05 23 43-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,966.95	502.40
		For Work In Restricted Working Space, Add	*334.94*	
40 05 23 43-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,625.06	629.80
		For Work In Restricted Working Space, Add	*419.87*	
40 05 23 43-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,387.19	839.73
		For Work In Restricted Working Space, Add	*559.82*	
40 05 23 43-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,078.26	1,259.60
		For Work In Restricted Working Space, Add	*839.73*	

40 05 23 43-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 43-0834)*

40 05 23 43-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	56.70	21.87
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	61.79	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	68.30	25.51
		For Work In Restricted Working Space, Add	*17.00*	
40 05 23 43-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	77.52	27.80
		For Work In Restricted Working Space, Add	*18.53*	
40 05 23 43-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	77.92	30.71
		For Work In Restricted Working Space, Add	*20.47*	
40 05 23 43-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	88.05	34.16
		For Work In Restricted Working Space, Add	*22.77*	
40 05 23 43-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	110.59	43.73
		For Work In Restricted Working Space, Add	*29.15*	
40 05 23 43-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	127.42	51.24
		For Work In Restricted Working Space, Add	*34.16*	
40 05 23 43-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	155.83	61.33
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	212.76	76.73
		For Work In Restricted Working Space, Add	*51.16*	
40 05 23 43-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	357.09	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	478.51	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	714.16	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	816.84	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	919.95	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,171.19	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	1,613.70	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	2,467.28	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-0978 Valves *(40 05 23 43-0231)*

40 05 23 43-0979 Gate Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	478.26	43.94
		For Work In Restricted Working Space, Add	*16.48*	
		For Class 200, Deduct	*-113.24*	
		For Class 300, Add	*397.94*	
40 05 23 43-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	519.77	45.77
		For Work In Restricted Working Space, Add	*19.22*	
		For Class 200, Deduct	*-121.90*	
		For Class 300, Add	*428.35*	
40 05 23 43-0982	EA	1" Gate Valve, Stainless Steel, Flanged	640.80	68.66
		For Work In Restricted Working Space, Add	*25.91*	
		For Class 200, Deduct	*-148.31*	
		For Class 300, Add	*521.17*	
40 05 23 43-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	807.67	80.10
		For Work In Restricted Working Space, Add	*29.85*	
		For Class 200, Deduct	*-189.44*	
		For Class 300, Add	*665.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	911.06	100.83
		For Work In Restricted Working Space, Add	*37.81*	
		For Class 200, Deduct	*-210.00*	
		For Class 300, Add	*737.93*	
40 05 23 43-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,081.59	122.02
		For Work In Restricted Working Space, Add	*45.77*	
		For Class 200, Deduct	*-248.51*	
		For Class 300, Add	*873.28*	
40 05 23 43-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	1,552.46	132.73
		For Work In Restricted Working Space, Add	*49.93*	
		For Class 300, Add	*1,302.86*	
40 05 23 43-0987	EA	3" Gate Valve, Stainless Steel, Flanged	1,748.74	155.62
		For Work In Restricted Working Space, Add	*58.43*	
		For Class 300, Add	*1,460.73*	
40 05 23 43-0988	EA	4" Gate Valve, Stainless Steel, Flanged	2,314.82	260.88
		For Work In Restricted Working Space, Add	*98.08*	
		For Class 300, Add	*1,868.63*	
40 05 23 43-0989	EA	6" Gate Valve, Stainless Steel, Flanged	3,868.84	329.54
		For Work In Restricted Working Space, Add	*124.02*	
		For Class 300, Add	*3,248.11*	
40 05 23 43-0990	EA	8" Gate Valve, Stainless Steel, Flanged	8,430.50	421.08
		For Work In Restricted Working Space, Add	*156.92*	
		For Class 300, Add	*7,432.97*	
40 05 23 43-0991	EA	10" Gate Valve, Stainless Steel, Flanged	11,878.79	512.61
		For Work In Restricted Working Space, Add	*192.23*	
		For Class 300, Add	*10,563.75*	
40 05 23 43-0992	EA	12" Gate Valve, Stainless Steel, Flanged	17,879.61	622.46
		For Work In Restricted Working Space, Add	*233.01*	
		For Class 300, Add	*16,076.74*	

40 05 23 43-0993 Globe Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	652.95	43.94
		For Work In Restricted Working Space, Add	*16.48*	
		For Class 200, Deduct	*-159.97*	
		For Class 300, Add	*562.15*	
40 05 23 43-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	722.77	45.77
		For Work In Restricted Working Space, Add	*19.22*	
		For Class 200, Deduct	*-176.20*	
		For Class 300, Add	*619.17*	
40 05 23 43-0996	EA	1" Globe Valve, Stainless Steel, Flanged	901.06	68.66
		For Work In Restricted Working Space, Add	*25.91*	
		For Class 200, Deduct	*-217.93*	
		For Class 300, Add	*765.82*	
40 05 23 43-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,339.41	100.83
		For Work In Restricted Working Space, Add	*37.81*	
		For Class 200, Deduct	*-324.58*	
		For Class 300, Add	*1,140.58*	
40 05 23 43-0998	EA	2" Globe Valve, Stainless Steel, Flanged	1,634.64	122.02
		For Work In Restricted Working Space, Add	*45.77*	
		For Class 200, Deduct	*-396.45*	
		For Class 300, Add	*1,393.15*	
40 05 23 43-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	3,286.59	132.73
		For Work In Restricted Working Space, Add	*49.93*	
		For Class 300, Add	*2,932.94*	
40 05 23 43-1000	EA	3" Globe Valve, Stainless Steel, Flanged	3,401.59	155.62
		For Work In Restricted Working Space, Add	*58.43*	
		For Class 300, Add	*3,014.41*	
40 05 23 43-1001	EA	4" Globe Valve, Stainless Steel, Flanged	4,053.75	260.88
		For Work In Restricted Working Space, Add	*98.08*	
		For Class 300, Add	*3,503.22*	
40 05 23 43-1002	EA	6" Globe Valve, Stainless Steel, Flanged	7,477.05	329.54
		For Work In Restricted Working Space, Add	*124.02*	
		For Class 300, Add	*6,639.83*	

40 05 23 43-1003 Check Valves, Class 150 *(40 05 23 43-0978)*

40 05 23 43-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	1,485.94	132.73
		For Work In Restricted Working Space, Add	*49.93*	
		For Class 300, Add	*1,240.33*	
40 05 23 43-1005	EA	3" Check Valve, Stainless Steel, Flanged	1,555.42	155.62
		For Work In Restricted Working Space, Add	*58.43*	
		For Class 300, Add	*1,279.01*	
40 05 23 43-1006	EA	4" Check Valve, Stainless Steel, Flanged	2,444.49	260.88
		For Work In Restricted Working Space, Add	*98.08*	
		For Class 300, Add	*1,990.52*	
40 05 23 43-1007	EA	6" Check Valve, Stainless Steel, Flanged	4,198.00	329.54
		For Work In Restricted Working Space, Add	*124.02*	
		For Class 300, Add	*3,557.52*	
40 05 23 43-1008	EA	8" Check Valve, Stainless Steel, Flanged	7,371.40	421.08
		For Work In Restricted Working Space, Add	*156.92*	
		For Class 300, Add	*6,437.42*	

40 05 23 43-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 43-0231)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	67.06	26.57
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 43-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	88.74	35.43
		For Work In Restricted Working Space, Add	*23.62*	
40 05 23 43-1012	EA	1", Stainless Steel Thread-o-let Fitting	109.54	43.94
		For Work In Restricted Working Space, Add	*29.29*	
40 05 23 43-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	156.64	62.17
		For Work In Restricted Working Space, Add	*41.45*	
40 05 23 43-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	174.28	70.11
		For Work In Restricted Working Space, Add	*46.74*	
40 05 23 43-1015	EA	2", Stainless Steel Thread-o-let Fitting	218.96	89.06
		For Work In Restricted Working Space, Add	*59.38*	
40 05 23 43-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	375.67	137.31
		For Work In Restricted Working Space, Add	*91.54*	
40 05 23 43-1017	EA	3", Stainless Steel Thread-o-let Fitting	497.07	175.28
		For Work In Restricted Working Space, Add	*116.86*	
40 05 23 43-1018	EA	4", Stainless Steel Thread-o-let Fitting	647.29	219.69
		For Work In Restricted Working Space, Add	*146.46*	

40 05 23 43-1019 Stainless Steel Flanges *(40 05 23 43-0231)*

40 05 23 43-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	39.33	14.76
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	50.26	19.68
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 43-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	61.02	24.41
		For Work In Restricted Working Space, Add	*14.65*	
40 05 23 43-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	84.56	34.55
		For Work In Restricted Working Space, Add	*20.73*	
40 05 23 43-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	93.37	38.95
		For Work In Restricted Working Space, Add	*23.37*	
40 05 23 43-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	119.22	49.47
		For Work In Restricted Working Space, Add	*29.69*	
40 05 23 43-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	180.88	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	224.39	155.62
		For Work In Restricted Working Space, Add	*58.43*	
40 05 23 43-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	284.61	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	45.00	14.76
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	54.84	19.68
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 43-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	64.29	24.41
		For Work In Restricted Working Space, Add	*14.65*	
40 05 23 43-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	92.84	34.55
		For Work In Restricted Working Space, Add	*20.73*	
40 05 23 43-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	101.65	38.95
		For Work In Restricted Working Space, Add	*23.37*	
40 05 23 43-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	127.71	49.47
		For Work In Restricted Working Space, Add	*29.69*	
40 05 23 43-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	199.84	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	243.77	155.62
		For Work In Restricted Working Space, Add	*58.43*	
40 05 23 43-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	314.46	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	58.40	21.86
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	62.47	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	69.32	25.51
		For Work In Restricted Working Space, Add	*17.01*	
40 05 23 43-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	79.92	27.82
		For Work In Restricted Working Space, Add	*18.55*	
40 05 23 43-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	86.24	30.66
		For Work In Restricted Working Space, Add	*20.45*	
40 05 23 43-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	95.97	34.16
		For Work In Restricted Working Space, Add	*22.78*	
40 05 23 43-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	127.37	43.68
		For Work In Restricted Working Space, Add	*29.13*	
40 05 23 43-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	146.77	51.15
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	182.37	61.29
		For Work In Restricted Working Space, Add	*40.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	249.89	76.57
		For Work In Restricted Working Space, Add	*51.05*	
40 05 23 43-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	414.95	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	572.50	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	870.83	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	1,057.29	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	1,272.42	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	1,573.73	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	2,104.45	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-1058	EA	24"", 150#, Type 304 Stainless Steel Weld Neck Flange	2,997.19	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	65.16	21.86
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	68.14	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	73.25	25.51
		For Work In Restricted Working Space, Add	*17.01*	
40 05 23 43-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	87.54	27.82
		For Work In Restricted Working Space, Add	*18.55*	
40 05 23 43-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	93.86	30.66
		For Work In Restricted Working Space, Add	*20.45*	
40 05 23 43-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	102.51	34.16
		For Work In Restricted Working Space, Add	*22.78*	
40 05 23 43-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	138.69	43.68
		For Work In Restricted Working Space, Add	*29.13*	
40 05 23 43-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	159.40	51.15
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	211.98	61.29
		For Work In Restricted Working Space, Add	*40.86*	
40 05 23 43-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	283.43	76.57
		For Work In Restricted Working Space, Add	*51.05*	
40 05 23 43-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	498.58	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	682.93	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,011.11	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,279.04	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,537.59	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,951.33	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,587.58	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,743.35	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	105.90	43.73
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	112.09	46.41
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	123.19	51.02
		For Work In Restricted Working Space, Add	*34.02*	
40 05 23 43-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	136.96	55.64
		For Work In Restricted Working Space, Add	*37.10*	
40 05 23 43-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	149.60	61.34
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	169.07	68.33
		For Work In Restricted Working Space, Add	*45.56*	
40 05 23 43-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	218.36	87.37
		For Work In Restricted Working Space, Add	*58.25*	
40 05 23 43-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	253.27	102.29
		For Work In Restricted Working Space, Add	*68.20*	
40 05 23 43-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	307.69	122.58
		For Work In Restricted Working Space, Add	*81.72*	
40 05 23 43-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	394.13	153.14
		For Work In Restricted Working Space, Add	*102.10*	
40 05 23 43-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	661.54	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	904.33	335.89
		For Work In Restricted Working Space, Add	*223.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,352.91	503.83
		For Work In Restricted Working Space, Add	*335.89*	

40 05 23 43-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	110.26	43.73
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	116.23	46.41
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	126.46	51.02
		For Work In Restricted Working Space, Add	*34.02*	
40 05 23 43-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	143.71	55.64
		For Work In Restricted Working Space, Add	*37.10*	
40 05 23 43-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	156.35	61.34
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	173.63	68.33
		For Work In Restricted Working Space, Add	*45.56*	
40 05 23 43-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	235.35	87.37
		For Work In Restricted Working Space, Add	*58.25*	
40 05 23 43-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	270.25	102.29
		For Work In Restricted Working Space, Add	*68.20*	
40 05 23 43-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	331.21	122.58
		For Work In Restricted Working Space, Add	*81.72*	
40 05 23 43-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	460.56	153.14
		For Work In Restricted Working Space, Add	*102.10*	
40 05 23 43-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	728.62	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,012.37	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,491.87	503.83
		For Work In Restricted Working Space, Add	*335.89*	

40 05 23 43-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	28.74	8.74
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	30.21	9.28
		For Work In Restricted Working Space, Add	*6.19*	
40 05 23 43-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	32.92	10.20
		For Work In Restricted Working Space, Add	*6.80*	
40 05 23 43-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	39.83	11.36
		For Work In Restricted Working Space, Add	*7.57*	
40 05 23 43-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	48.71	15.34
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 43-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	55.94	17.03
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 43-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	74.39	21.90
		For Work In Restricted Working Space, Add	*14.61*	
40 05 23 43-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	96.52	30.70
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	153.29	51.14
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	204.07	65.76
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 43-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	280.24	78.37
		For Work In Restricted Working Space, Add	*52.25*	
40 05 23 43-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	393.26	94.05
		For Work In Restricted Working Space, Add	*62.70*	
40 05 23 43-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	510.63	117.57
		For Work In Restricted Working Space, Add	*78.38*	
40 05 23 43-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	645.58	146.95
		For Work In Restricted Working Space, Add	*97.97*	
40 05 23 43-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	801.69	167.62
		For Work In Restricted Working Space, Add	*111.75*	
40 05 23 43-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	964.55	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,302.64	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,885.50	419.86
		For Work In Restricted Working Space, Add	*279.91*	

40 05 23 43-1125 300#, Type 304 Stainless Steel Blind Flanges *(40 05 23 43-1019)*

40 05 23 43-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	33.17	8.74
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	34.36	9.28
		For Work In Restricted Working Space, Add	*6.19*	
40 05 23 43-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	36.41	10.20
		For Work In Restricted Working Space, Add	*6.80*	
40 05 23 43-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	43.96	11.36
		For Work In Restricted Working Space, Add	*7.57*	
40 05 23 43-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	52.84	15.34
		For Work In Restricted Working Space, Add	*10.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	58.12	17.03
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 43-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	89.63	21.90
		For Work In Restricted Working Space, Add	*14.61*	
40 05 23 43-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	110.79	30.70
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	171.15	51.14
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	277.68	65.76
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 43-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	368.23	78.37
		For Work In Restricted Working Space, Add	*52.25*	
40 05 23 43-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	500.41	94.05
		For Work In Restricted Working Space, Add	*62.70*	
40 05 23 43-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	675.07	117.57
		For Work In Restricted Working Space, Add	*78.38*	
40 05 23 43-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	919.84	146.95
		For Work In Restricted Working Space, Add	*97.97*	
40 05 23 43-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,147.96	167.62
		For Work In Restricted Working Space, Add	*111.75*	
40 05 23 43-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,485.69	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,920.93	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,902.44	419.86
		For Work In Restricted Working Space, Add	*279.91*	

40 05 23 43-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	43.26	14.76
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	55.28	19.68
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 43-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	65.80	24.41
		For Work In Restricted Working Space, Add	*14.65*	
40 05 23 43-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	91.74	34.55
		For Work In Restricted Working Space, Add	*20.73*	
40 05 23 43-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	100.55	38.95
		For Work In Restricted Working Space, Add	*23.37*	
40 05 23 43-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	127.06	49.47
		For Work In Restricted Working Space, Add	*29.69*	
40 05 23 43-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	192.21	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	238.99	155.62
		For Work In Restricted Working Space, Add	*58.43*	
40 05 23 43-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	305.08	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 43-1019)*

40 05 23 43-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	50.66	14.76
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 43-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	60.50	19.68
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 43-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	69.95	24.41
		For Work In Restricted Working Space, Add	*14.65*	
40 05 23 43-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	103.73	34.55
		For Work In Restricted Working Space, Add	*20.73*	
40 05 23 43-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	112.54	38.95
		For Work In Restricted Working Space, Add	*23.37*	
40 05 23 43-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	137.30	49.47
		For Work In Restricted Working Space, Add	*29.69*	
40 05 23 43-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	221.40	76.25
		For Work In Restricted Working Space, Add	*45.77*	
40 05 23 43-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	265.77	155.62
		For Work In Restricted Working Space, Add	*58.43*	
40 05 23 43-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	349.51	122.02
		For Work In Restricted Working Space, Add	*73.23*	

40 05 23 43-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	63.41	21.86
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	67.49	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	74.98	25.51
		For Work In Restricted Working Space, Add	*17.01*	
40 05 23 43-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	87.33	27.82
		For Work In Restricted Working Space, Add	*18.55*	
40 05 23 43-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	93.65	30.66
		For Work In Restricted Working Space, Add	*20.45*	
40 05 23 43-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	103.59	34.16
		For Work In Restricted Working Space, Add	*22.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	140.21	43.68
		For Work In Restricted Working Space, Add	*29.13*	
40 05 23 43-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	158.31	51.15
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	201.97	61.29
		For Work In Restricted Working Space, Add	*40.86*	
40 05 23 43-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	283.87	76.57
		For Work In Restricted Working Space, Add	*51.05*	
40 05 23 43-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	467.44	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	660.06	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	986.50	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	1,153.09	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	1,397.42	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	1,725.58	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	2,293.64	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	3,265.29	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 43-1019)*

40 05 23 43-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	71.69	21.86
		For Work In Restricted Working Space, Add	*14.58*	
40 05 23 43-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	74.67	23.21
		For Work In Restricted Working Space, Add	*15.47*	
40 05 23 43-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	79.78	25.51
		For Work In Restricted Working Space, Add	*17.01*	
40 05 23 43-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	96.48	27.82
		For Work In Restricted Working Space, Add	*18.55*	
40 05 23 43-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	102.80	30.66
		For Work In Restricted Working Space, Add	*20.45*	
40 05 23 43-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	113.40	34.16
		For Work In Restricted Working Space, Add	*22.78*	
40 05 23 43-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	157.43	43.68
		For Work In Restricted Working Space, Add	*29.13*	
40 05 23 43-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	177.04	51.15
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	244.65	61.29
		For Work In Restricted Working Space, Add	*40.86*	
40 05 23 43-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	364.23	76.57
		For Work In Restricted Working Space, Add	*51.05*	
40 05 23 43-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	581.13	125.95
		For Work In Restricted Working Space, Add	*83.97*	
40 05 23 43-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	816.65	167.94
		For Work In Restricted Working Space, Add	*111.96*	
40 05 23 43-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,207.56	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,564.76	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,899.41	335.26
		For Work In Restricted Working Space, Add	*223.50*	
40 05 23 43-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,416.18	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,172.51	587.82
		For Work In Restricted Working Space, Add	*391.88*	
40 05 23 43-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,600.34	839.72
		For Work In Restricted Working Space, Add	*559.82*	

40 05 23 43-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*

40 05 23 43-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	108.52	43.73
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	116.02	46.41
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	127.69	51.02
		For Work In Restricted Working Space, Add	*34.02*	
40 05 23 43-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	153.37	55.64
		For Work In Restricted Working Space, Add	*37.10*	
40 05 23 43-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	154.82	61.34
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	170.36	68.33
		For Work In Restricted Working Space, Add	*45.56*	
40 05 23 43-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	217.49	87.37
		For Work In Restricted Working Space, Add	*58.25*	
40 05 23 43-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	260.67	102.29
		For Work In Restricted Working Space, Add	*68.20*	
40 05 23 43-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	323.36	122.58
		For Work In Restricted Working Space, Add	*81.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	417.43	153.14
		For Work In Restricted Working Space, Add	*102.10*	
40 05 23 43-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	709.66	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	970.11	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,440.90	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-1216		300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 43-1019)*		
40 05 23 43-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	114.61	43.73
		For Work In Restricted Working Space, Add	*29.16*	
40 05 23 43-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	120.58	46.41
		For Work In Restricted Working Space, Add	*30.95*	
40 05 23 43-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	130.81	51.02
		For Work In Restricted Working Space, Add	*34.02*	
40 05 23 43-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	152.20	55.64
		For Work In Restricted Working Space, Add	*37.10*	
40 05 23 43-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	164.84	61.34
		For Work In Restricted Working Space, Add	*40.89*	
40 05 23 43-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	181.66	68.33
		For Work In Restricted Working Space, Add	*45.56*	
40 05 23 43-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	254.30	87.37
		For Work In Restricted Working Space, Add	*58.25*	
40 05 23 43-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	289.63	102.29
		For Work In Restricted Working Space, Add	*68.20*	
40 05 23 43-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	361.26	122.58
		For Work In Restricted Working Space, Add	*81.72*	
40 05 23 43-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	504.34	153.14
		For Work In Restricted Working Space, Add	*102.10*	
40 05 23 43-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	773.70	251.92
		For Work In Restricted Working Space, Add	*167.95*	
40 05 23 43-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,159.16	335.89
		For Work In Restricted Working Space, Add	*223.93*	
40 05 23 43-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,621.24	503.83
		For Work In Restricted Working Space, Add	*335.89*	
40 05 23 43-1230		150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 43-1019)*		
40 05 23 43-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	30.77	8.74
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	33.92	9.28
		For Work In Restricted Working Space, Add	*6.19*	
40 05 23 43-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	37.93	10.20
		For Work In Restricted Working Space, Add	*6.80*	
40 05 23 43-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	43.74	11.36
		For Work In Restricted Working Space, Add	*7.57*	
40 05 23 43-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	52.62	15.34
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 43-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	62.48	17.03
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 43-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	84.63	21.90
		For Work In Restricted Working Space, Add	*14.61*	
40 05 23 43-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	107.85	30.70
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	172.46	51.14
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	234.78	65.76
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 43-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	353.63	78.37
		For Work In Restricted Working Space, Add	*52.25*	
40 05 23 43-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	451.20	94.05
		For Work In Restricted Working Space, Add	*62.70*	
40 05 23 43-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	677.69	117.57
		For Work In Restricted Working Space, Add	*78.38*	
40 05 23 43-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	816.61	146.95
		For Work In Restricted Working Space, Add	*97.97*	
40 05 23 43-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,031.79	167.62
		For Work In Restricted Working Space, Add	*111.75*	
40 05 23 43-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,231.57	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,650.87	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,396.15	419.86
		For Work In Restricted Working Space, Add	*279.91*	
40 05 23 43-1249		300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 43-1019)*		
40 05 23 43-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	40.57	8.74
		For Work In Restricted Working Space, Add	*5.83*	
40 05 23 43-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	41.76	9.28
		For Work In Restricted Working Space, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	43.81	10.20
		For Work In Restricted Working Space, Add	*6.80*	
40 05 23 43-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	59.87	11.36
		For Work In Restricted Working Space, Add	*7.57*	
40 05 23 43-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	68.75	15.34
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 43-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	76.20	17.03
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 43-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	117.52	21.90
		For Work In Restricted Working Space, Add	*14.61*	
40 05 23 43-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	139.21	30.70
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	219.06	51.14
		For Work In Restricted Working Space, Add	*34.10*	
40 05 23 43-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	359.37	65.76
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 43-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	452.75	78.37
		For Work In Restricted Working Space, Add	*52.25*	
40 05 23 43-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	746.10	94.05
		For Work In Restricted Working Space, Add	*62.70*	
40 05 23 43-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	914.00	117.57
		For Work In Restricted Working Space, Add	*78.38*	
40 05 23 43-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,286.83	146.95
		For Work In Restricted Working Space, Add	*97.97*	
40 05 23 43-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,627.63	167.62
		For Work In Restricted Working Space, Add	*111.75*	
40 05 23 43-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,116.11	209.94
		For Work In Restricted Working Space, Add	*139.96*	
40 05 23 43-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,705.15	293.91
		For Work In Restricted Working Space, Add	*195.94*	
40 05 23 43-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,120.65	419.86
		For Work In Restricted Working Space, Add	*279.91*	

40 05 23 43-1268 Type 316 Seamless Annealed Tubing *(40 05 23 43)*

Note: For high pressure air (8000 PSIG working pressure).

40 05 23 43-1269 Type 316 Seamless Annealed Tubing *(40 05 23 43-1268)*

40 05 23 43-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	15.68
40 05 23 43-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	19.26
40 05 23 43-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	23.23

40 05 23 43-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 43-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 43-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	52.84
40 05 23 43-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	55.92
40 05 23 43-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	85.75
40 05 23 43-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	48.17
40 05 23 43-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	79.55
40 05 23 43-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	60.45
40 05 23 43-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	74.42
40 05 23 43-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	114.55
40 05 23 43-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	72.75
40 05 23 43-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	112.55
40 05 23 43-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	71.73
40 05 23 43-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	92.50
40 05 23 43-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	152.83
40 05 23 43-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	126.00
40 05 23 43-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	155.38

40 05 23 43-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 43-1268)*

40 05 23 43-1290 Needle Valves *(40 05 23 43-1289)*

40 05 23 43-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	283.88
40 05 23 43-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	450.44

40 05 23 43-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 43-1289)*

40 05 23 43-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	272.03

40 05 23 43-1295 Other Valves Working Pressure 6,000 PSI *(40 05 23 43-1289)*

40 05 23 43-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,126.43
40 05 23 43-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	282.93
40 05 23 43-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	54.96

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,545.87	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	2,106.46	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon LP Gas Storage Tank	1,933.32	52.65
43 42 41 00-0003	EA	500 Gallon LP Gas Storage Tank	2,631.46	63.18
43 42 41 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,575.35	73.70

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